May, I. L.
1904

# MAY'S

## Catalogue of NORTHERN GROWN SEEDS

PLANTS, BULBS & FRUITS

1904

MAD. CHATENAY ROSE, 15¢ EACH, DESCRIBED ON PAGE 2.

I. L. MAY & CO. ST. PAUL MINN.

# MAY'S NEVER FAIL FARM COLLECTION

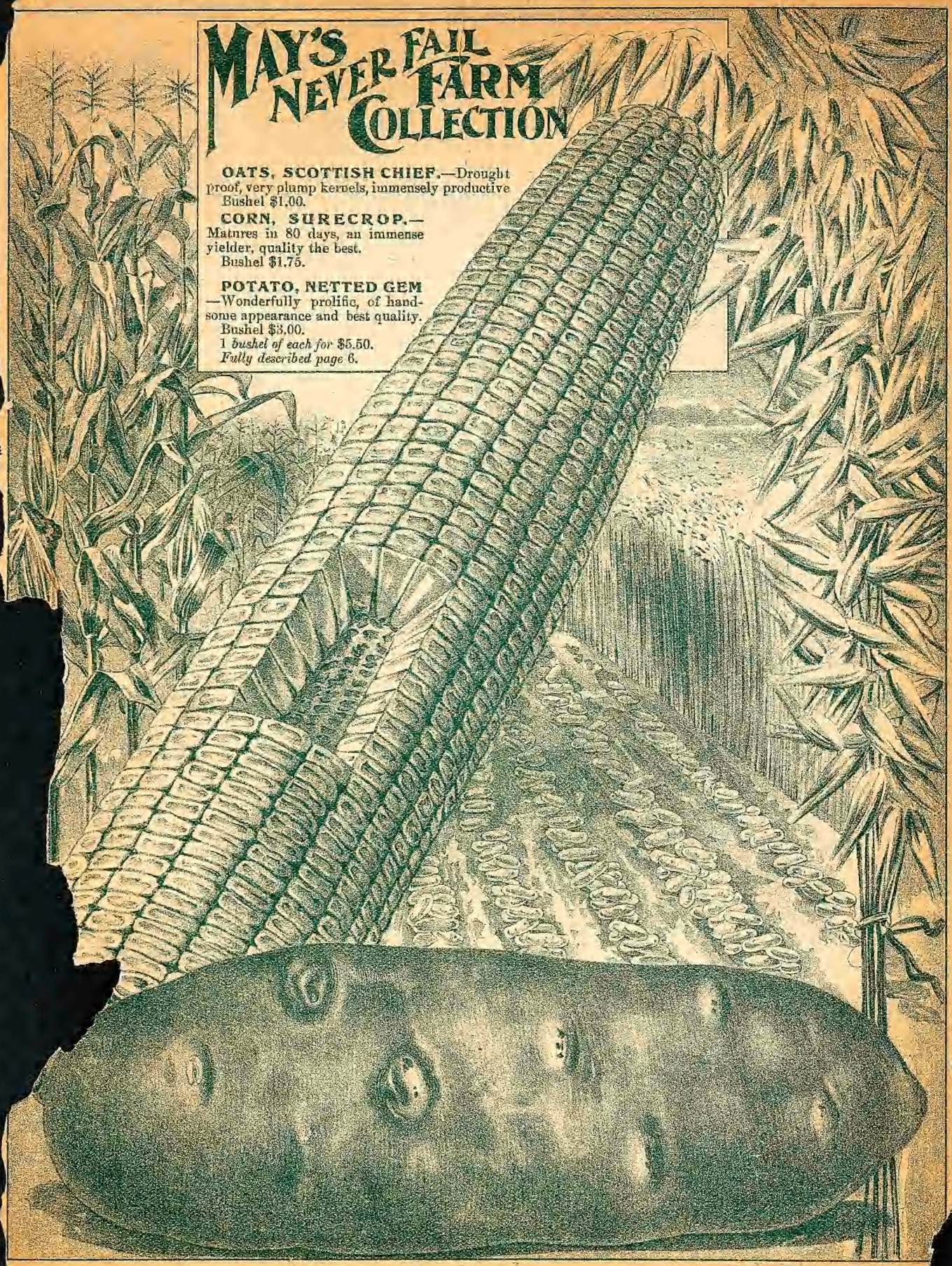
**OATS, SCOTTISH CHIEF.**—Drought proof, very plump kernels, immensely productive
Bushel $1.00.

**CORN, SURECROP.**—Matures in 80 days, an immense yielder, quality the best.
Bushel $1.75.

**POTATO, NETTED GEM**—Wonderfully prolific, of handsome appearance and best quality.
Bushel $3.00.

1 *bushel of each for* $5.50.

*Fully described page* 6.



PLEASE USE THIS FOR TREES, PLANTS, ETC.

# L. L. MAY & CO.

ST. PAUL, MINN.

DATE.....1904.

Enclosed Please Find.....for $.....

**NOTE.** State plainly whether by Mail, Freight or Express.

For which please forward by.....

The following, per prices, terms and conditions of your catalogue for 1904.

NAME.....

POST OFFICE.....

COUNTY.....STATE.....

Be sure to write Express or Freight Office in full, writing the County and State plainly.

EXPRESS OR FREIGHT OFFICE.....

COUNTY.....STATE.....

**HOW TO SEND MONEY.**
Send money by Express Money Order, Postal Money Order, Bank Draft or Registered Letter. Please do not send private check, as we have to pay for collecting same and will deduct the cost from the amount of your order.

**DO NOT WRITE IN THIS SPACE.**

No.....

Date Rec'd.....

Filled By.....

Date Shipped.....

| Quantity. | PLANTS, TREES, ETC. | SIZE. | PRICE | |
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| | If you write a letter, please put it on a separate sheet. | | | |
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**All Seeds, Implements, etc., should be ordered on the other Order Blank.**

(Over.)

PLEASE USE THIS FOR SEEDS, IMPLEMENTS, ETC.

# L. L. MAY & CO.

ST. PAUL, MINN.

DATE.....1904.

Enclosed Please Find.....for $.....

**NOTE.** State plainly whether by Mail, Freight or Express.

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Date Rec'd.....

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| Quantity. | SEEDS, IMPLEMENTS, ETC. | SIZE. | PRICE | |
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**All Trees, Plants, etc., should be ordered on the other Order Blank.**

(Over.)

Orders for Seeds, Implements etc., should be put on separate sheet.

| Quantity | TREES, PLANTS, ETC., | PRICE | |
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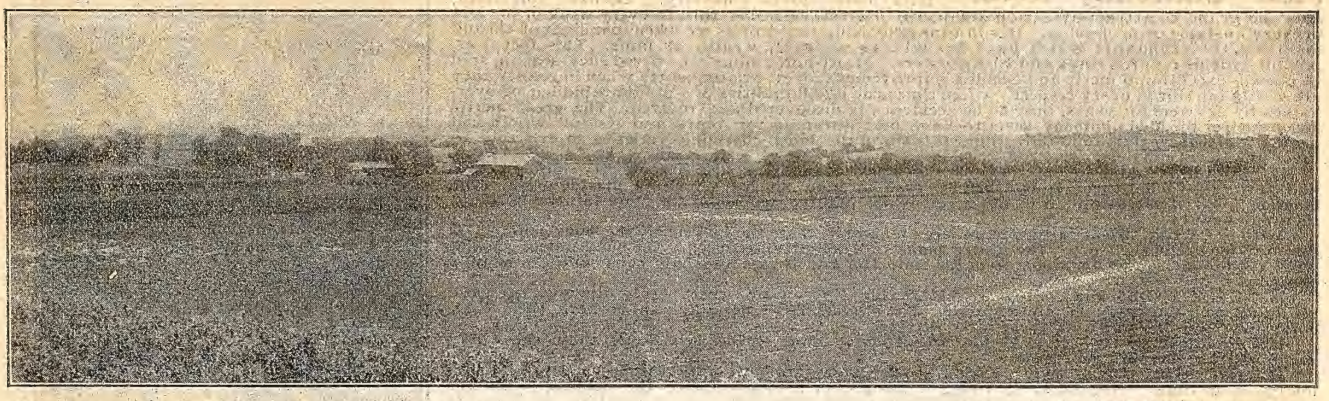
# GROWN IN THE GOLDEN GRAIN BELT OF THE WORLD



## To Our Friends and Patrons:

St. Paul, Minn., Jan. 1, 1904.

It affords us great pleasure to hand you herewith our Catalogue of Northern Grown Products, which have been grown and are offered with special reference to the needs of the North and Northwest, but which, at the same time, are equally valuable for all sections of the country. It is a well established fact that the farther north either vegetable or animal life is developed, the sturdier, hardier and better that development is. We offer nothing that we cannot recommend, and recommend nothing without first giving it a thorough trial. On this account our Catalogue has never teemed with novelties, for with the best interest of our customers (and their interest is ours) at heart, we have always hesitated to offer anything without feeling in our own hearts that it was as good as, or superior to, well established sorts. While the past year as a whole has been a prosperous one with our farmer friends, still many varieties of seeds were a short crop owing to the cool, wet season, which retarded their maturity and impaired their vitality. Anticipating this we have laid in a good supply of all varieties of seeds, but would earnestly urge our patrons to order early before stocks become exhausted. Knowing that **Northern Grown Products** are vastly superior to all others, and trusting that the perusal of these pages will induce you to give us all or a portion at least of your orders, we beg to remain

Yours very truly, **L. L MAY & CO.**

## How to Order.

**YOUR ORDER**, no matter how large or small, will always receive our prompt and careful attention.

**ORDER EARLY.**—We earnestly request all customers to place their orders early, as it will assist us greatly in getting everything out promptly.

**USE THE ORDER SHEET** in this book. If you wish to order a second time, write your order on a separate sheet of paper and do not mix it up in the body of a letter. This will assist us greatly in filling your order. Blank order sheets will be sent at any time upon request.

**C. O. D. SHIPMENTS.**—We must decline to ship goods C. O. D. unless the purchaser remits in advance sufficient money to pay transportation charges and cost of packing, etc., or at least one-third the amount of the order.

**ORDERS MUST BE ACCOMPAINED** by the money to pay for the goods. We cannot open small accounts, and will decline to fill orders unless accompanied by the cash. This is a uniform rule from which we cannot and will not deviate.

**DON'T FORGET YOUR NAME, POST OFFICE AND STATE.**—Every season we receive scores of letters and orders from parties who forget to sign their name, and do not give their post-office address.

## How to Send Money.

**POST-OFFICE MONEY ORDERS** may be obtained at nearly all post offices at a small cost. This is a good way to send money.

**DRAFTS ON ST. PAUL, NEW YORK, OR CHICAGO** can be obtained at any bank and are perfectly safe.

**EXPRESS MONEY ORDERS** can be had at the office of the American, United States, Adams, Northern Pacific, Wells, Fargo & Co., Great Northern or any other express company.

**REGISTERED LETTERS** cost but 8 cents, and money should be sent in this way in case it cannot be sent by any of the above methods.

**PERSONAL CHECKS.**—Do not send personal checks, as we are obliged to pay for collecting same and will therefore have to deduct this charge from your order. Besides, orders are held until our bankers report checks paid, thus causing needless delay.

**NEVER SEND SILVER OR CURRENCY** in a letter or envelope without registering it, as it is unsafe to do so. Every month we have complaints from people who send money in this careless manner, which is stolen or lost in transit and never reaches us. **When remittances are not made according to these directions, we disclaim all responsibility.**

## How to Ship.

**MAY'S SEEDS POSTPAID.**—At the prices quoted in our Catalouge we prepay postage on all seeds ordered by packet, ounce, quarter pound, pound, pint or quart. On seeds in larger quantities, also plants, trees, fruits, etc., offered by express or freight, the purchaser pays the transportation charges.

**EXPRESS AND FREIGHT.**—Many of our customers do not stop to consider the difference between express and freight charges, and frequently order large quantities of seed by express, when it could be sent by fast freight just as well, and at much less expense. The express rates are naturally very much higher than the freight.

**EXPRESS RATES ON SEEDS, PLANTS AND BULBS** are 20 per cent. lower than merchandise rates. Bear this in mind when receiving stock and insist on the express company giving you the proper rate.

**DO NOT FORGET TO STATE HOW** you wish goods shipped, whether by freight or express. Unless you do, we will ship as we think best and cannot be held responsible for delays or expense.

**ST. PAUL, BEING A RAILROAD CENTER,** freight rates are exceptionally low and freight shipments can be hurried to destination more rapidly than from less favored points.

**PREPAID STATIONS.**—Many small railroad stations **are prepaid stations** and the railroads will not accept freight for such points unless charges are fully prepaid. It will save delay if you ascertain if your station is a **prepaid** one before sending your order and include enough money to cover freight charges if it is.

**IN ORDERING GOODS** forward by freight or express be sure to write plainly your express or freight office, county and state in full, giving the express or railroad company you prefer to have them sent by. This saves time and delay here and disappointment at your end of the line.

**IF SHIPMENTS DO NOT ARRIVE** promptly after being notified by us, please advise, and we will have them traced at once.

## Our Seed Department.

**WE ARE SEED GROWERS.**—By this we mean that we do not buy our seeds on the open market, as do many firms, but grow them ourselves. We know it will pay you to order May's Seeds, as you will then avoid the disappointment which so often follows the sowing of seeds that are purchased from commission dealers throughout the country, seeds which, in many cases, have lain under the counter for years, and are worthless to a gardener or a farmer.

**NORTHERN GROWN SEEDS are known to be superior to all others, being earlier, hardier and more productive.**

**WE TEST ALL SEEDS** as soon as received from our growers, and never send out an ounce that does not show a high germinative test.

**THE BEST IS NONE TOO GOOD FOR OUR PATRONS.**—And we realize this as much as any of our largest market gardeners and know there is not a firm in the world which is more particular regarding the purity of their seeds than we are, but still, like all other seedsmen, we do not give any warranty, express or implied, as to the description, quality, productiveness or any other matter connected with the seeds, plants, bulbs, etc., which we send out, nor will we be responsible in any way for the crop. Every order received for goods enumerated in this catalogue will be executed and sent out only on these conditions.

**SEEDS FREE.**—Extras are sent with each order, and many are the kind letters we have received from our customers, who were surprised and delighted with the present of some new and choice seeds, plants or fruits which were sent with their order.

## Our Plant Department.

**AT OUR GREENHOUSES** on Como Ave., in this city, the most extensive in the Northwest, we grow all of our tender plants, young roses, etc. At this place we employ experienced men who have made a life study of plants and who know their habits and needs in every particular.

With all orders for plants we will send free our booklet, **The A B C's of Successful Floriculture**, written especially for us by Eben E. Rexford, of the Ladies Home Journal. This booklet contains much valuable information on the care and culture of plants, and answers many difficult questions which arise daily.

## Our Nursery Department.

**OUR NURSERY**, located 15 miles east of St. Paul, is governed by the same principle that has developed and built up our immense seed business, viz.: strict integrity in discarding worthless varieties and rigid tests in scrutinizing new ones. Nothing but well known, tested varieties are offered, and only the best stock shipped out.

**A certificate of inspection from the State Inspector of Nurseries, showing our stock to be free from San Jose Scale and all other injurious insects and diseases will accompany each shipment.**

Realizing the importance of supplying good stocks and of treating all orders large and small with the same care and attention, we have built up our large business and point with pardonable pride to our immense patronage which has been secured by **Honest Methods and Strict Attention to Details, and respectfully solicit the continuance of your kind favors.**

**Yours, for the best seeds, plants, and fruits that are produced.**

**L. L. MAY & CO., St. Paul, Minn.**

# SPECIALTIES AND RECENT INTRODUCTIONS

## Mad Chatenay Rose.

(For illustration see front cover.) A Hybrid Tea. Everybody loves novelty, change, something new and grand to attract attention and incite interest. We find this in every walk of life and in every business or profession. But in thus exploiting new things we often lose sight of the old and tried, the standards which have brought us pleasure, wealth or fame. This fact is especially true as regards roses and rose growers. Many new things are offered each season, said to possess exceptional merit and decided improvement over existing sorts when in reality they are vastly inferior in every respect. Often times the good qualities of a plant are hidden or overlooked by growers for years, only to be accidentally discovered and revived. **The great merits and beauty of the Mad Chatenay,** seem to have laid dormant for years and its full worth and beauty only recently found out. That **it is one of the most charming varieties in existence** no lover of flowers can deny.

**ITS COLOR** is hard to describe, as the delicate shadings are so perfectly blended into and through each other. **It is a bright, rose carmine, shaded salmon, a most glorious combination.** Our illustration on front cover while painted from nature, but faintly portrays its great beauty.

**THE FLOWERS are of large size, as large or larger than the La France, the buds pointed, of fine form for button-hole use. The center petals are slightly recurved. The buds unfold slowly, while the flower is most handsome from the time the bud begins to show color until it is fully expanded.**

**IT NEVER FADES** and keeps a remarkably long time, the petals drying up and retaining their fine color for months after. Cut blooms have been known to keep their form, color and fragrance for two weeks after cutting.

**ITS FRAGRANCE** is fine, more like the delicate odor of the Tea Roses than the heavy perfume of the Hybrid Perpetuals.

**ITS GROWTH.** In growth it is strong, stocky and vigorous, with bright, clean, beautiful foliage at all times. For indoor growing it has proven a rich boon to the florists, as its free blooming qualities, its strong growth, its freedom from mildew, all combine to make it a general favorite. We have grown a large stock of this grand rose, but would advise all our customers to place their orders early so as to obtain strong, well-rooted plants before our supply is exhausted. **15c each, 2 for 25c, postpaid. $1.20 per dozen by express.**

## Brazilian Melon Fruit.

(See Cut.) **An ornamental fruit-bearing tree that no one should fail to secure.** A few years ago we introduced this great plant novelty, and our experience with it and the many testimonials received from our patrons, all praising its wonderful qualities, only confirm our opinion expressed when introducing it, that it is the greatest plant novelty that has ever been offered the American trade. It is a native of Southern Brazil. It is not only an excellent and valuable ornamental plant, with rich green leaves, that at once give it a foremost place in the list of handsome foliage plants, but it also furnishes us with a most desirable, egg-shaped, yellowish-orange colored fruit, which hangs pendant in clusters, just below the beautiful foliage. **This fruit is of the most delightful flavor imaginable, having a slightly sub-acid taste, entirely different from any other fruit we are acquainted with.** For eating out of hand, slicing or making into preserves, it is simply delicious, and its lovely appearance in a dish on a table can only be equaled by the finest of tropical fruits. **As an ornamental plant it has few equals,** its splendid bushy habit, healthy growth and charming foliage giving it the preference over many of the weaker and more delicate plants of the ornamental class. Mrs. T. B. Shepherd, Ventura, California, writes: "It is a fine shrub, the foliage is large and handsome and the fruit of a beautiful orange salmon color when ripe, and has a delicious sub-acid taste."

**Note.**—It is desirable only for house culture and the open ground during the summer months, and must be taken into the house at the approach of cold weather. **Strong plants 25c each, postpaid.**

**The Seed.**—We can supply the seeds of this valuable plant, and on each packet will be given full and complete cultural directions. This is very costly and consequently the packets will contain only a few seeds each. **Pkt. 25c.**

STRAWBERRY GUAVA.

## Strawberry Guava.

(See Cut.) **Another luscious tropical fruit and charming house plant.** This is a native of Cuba and other West India islands, where its fruit is of great value for food, and also for making confections, which are exported to all parts of the world. Here, in our climate, it makes a charming house plant, rivaling the famous Otaheite Orange in beauty. It is a nice, clean grower, with thick glossy green leaves, and like the orange, it bears both flowers and fruit at the same time. The flowers are pure white and delightfully fragrant. The fruit is large, nearly the size of a walnut, and of a beautiful reddish color; the flavor is delicious, sweet and spicy, and yet rich and delicate. It is very rare and interesting. The plant begins to bloom and bear fruit while quite small. The plants are easily grown and will thrive with the same treatment given the Otaheite Orange. With the Melon Fruit, Lemon and orange herewith offered, it forms a set of most interesting and valuable fruit and ornamental plants. **25c each, postpaid.**

BRAZILIAN MELON FRUIT.

## American Wonder Lemon.

(See Cut.) Another fine and valuable fruit for house culture. The leaves are a deep glossy green like the Otaheite Orange, are easily kept clean and bright, rendering the plant neat and attractive at all times. In addition to this, its waxy white, fragrant blossoms, produced in clusters, followed by large, showy fruit, make this plant at all times beautiful as well as useful. The fruit is very large, of fine flavor, and superior to the ordinary lemons of commerce, in every particular. You will make no mistake in ordering this most beautiful plant, as it is valuable alike as an ornamental plant or a fruit producing plant. **25c each, postpaid.**

Daytonville, Mendocino County, Cal., June 16, 1902.
Messrs. L. L. May & Co.,

Dear Sirs.—I wish to thank you for your kind generosity concerning those strawberry-raspberry plants, which I received at your expense. They received prompt attention as soon as they arrived. They were very nice and they are growing well. If they don't do well I am sure its not your fault.

Yours respectfully, Mrs. J. E. Rayner.

HAWAIIAN TREASURE PLANT.

## The Hawaiian Treasure Plant.

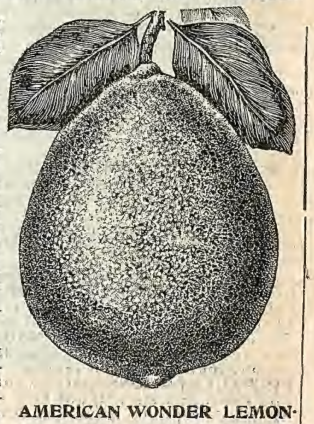
(See Cut.) This marvel of growth, from the far off Pacific, is one of the most interesting plants we have ever seen. It is an annual, growing from 6 to 10 feet in height in a single season from seed, and forming compact, symmetrical heads of foliage of rare grace and beauty. It requires no trimming, naturally forming most beautiful plants, useful alike for ornament and shade. It is most valuable for screening unsightly places as well as for single specimen plants on the lawn. It is also beautiful, planted in groups and in rows for an ornamental hedge. **Pkt. 10c.**

## Othaeite Orange.

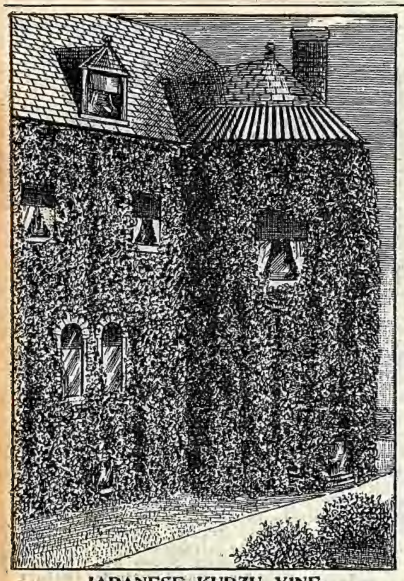
**One of the grandest pot plants for flowering we have ever seen, and being useful as well as ornamental, should be grown by everyone.** It is a very dwarf variety, and blossoms and fruits freely when only 12 or 15 inches high. The delicately scented blossoms are produced in great profusion. The fruit is quite small, being only about one-half the size of the ordinary orange, but is very sweet and delicious. For pot culture it is one of the most novel and interesting plants of late introduction. It blooms freely during the entire season, and one plant will scent a whole room. **The stock we offer is strong and thrifty. 25c each.**

## Kumquat or Kin-Kan Orange.

This unique and wonderfully beautiful orange is a native of Japan. It bears in the most marvelous profusion little miniature oranges, no larger than a damson plum, of a rich golden color, glittering amid the dark foliage like burnished gold. The whole fruit, rind and all, is eaten, and people become extremely fond of them. They are delicious preserved and crystalized. The plants bear just as soon as they have wood enough to hold fruit, and are loaded with fruit and flowers every year. **50c each.**



AMERICAN WONDER LEMON.



JAPANESE KUDZU VINE.

## THE JAPANESE KUDZU VINE.

**The wonderful, rapid growing vine from the land of the Mikado. This is the most remarkable climbing vine of the age and one that should be planted by everyone desiring a dense shade.** It comes from Japan, the land so productive of curious and ornamental flowers. It is a beautiful climber, remarkable for its great vigor of growth and its handsome flowers. The blossoms are large and in panicles somewhat like Wistaria but much larger in size and better clusters. The color is of a pleasing shade of purple. The foliage is large, shaped somewhat like the leaf of a bean; the vine is extremely rapid and dense in growth, making the Japanese Kudzu Vine of great value where a quickly produced shade is wanted. An eminent horticulturist and prominent landscape designer has it growing over the front of his house, and pronounces it a veritable "Jack and the Bean Stalk Vine," having reference to its quick growth. Unlike many of our climbing vines it requires little or no care, commences growth so early in the spring and is so full of life and vigor that it will cover a wall or trellis before a Clematis or Wistaria would hardly get started. Its handsome blossoms are most attractive and its hardy nature commends it to everyone. It can be used to advantage in a great variety of places; on trellises, arbors, verandas, brick walls, stumps, fences, slopes, rockeries, or to cover any or all unsightly nooks and corners. Drouth does not affect it, water will not kill it, it delights in great heat and the roots withstand the severest cold. It certainly surpasses anything in this line ever introduced and is the greatest climbing plant in existence. **Strong roots 10c each, $1.00 per doz., postpaid, $5.00 per 100, by express. Seed, 10c per pkt.**

## THE KLONDIKE DAISY.

This is a hardy herbaceous plant from the land of ice and snow. It grows very luxuriantly and produces from the beginning of May to the middle of June, a great quantity of branching flower stems of a height of 15 to 20 inches. On the single wiry little flower stems the elegant-shaped, graceful flowers are produced in great abundance. The blossoms are of large size, pure white, and retain their form and freshness a long time after cutting. **Pkt. 15c.**

KLONDIKE DAISY.

## RAINBOW NASTURTIUMS.

Among the many new varieties of these beautiful flowers there is none to surpass this unique and pleasing sort. The blooms are of large size, of various colorings and markings and of most attractive appearance at all times. The distinguishing feature of these flowers, however, is the great variety of blossoms grown on the same plant. Some are light cream, others dark orange, still others crimson and scarlet, all overlaid and suffused with dark velvety tints, rendering them especially attractive. One plant may have as many as ten or twelve different colored flowers. These are tall or climbing sorts but are just as pretty grown as trailers or creepers on the ground, their **rainbow colors** contrasting nicely with their heavy dark green foliage and the grass. **Pkt. 10c, oz. 25c.**

## STOKESIA CYANEA.

**The Cornflower or Stokes' Aster.**

This is one of our most charming and beautiful native hardy plants. The plant grows from 18 to 24 inches high, bearing freely, from early July until frost, its handsome lavender-blue Centaurea-like blossoms, each measuring from 4 to 5 inches across. It is of the easiest culture, succeeding in any open sunny position, and is not only desirable as a single plant in the mixed hardy border but can be used with fine effect in masses or beds of any size. **Pkt. 10c.**

## IMPERIAL GERMAN NASTURTIUMS.

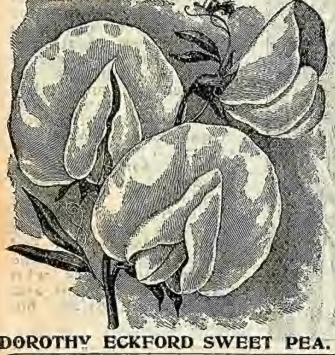
This rare and beautiful strain, introduced by us for the first time, possesses so many points of exceptional merit that we offer them to our customers and friends with the positive knowledge that they will give entire satisfaction under the most exacting circumstances. They are not untried novelties, neither are they time-worn sorts, which every seedsman offers. They are the results of years of painstaking hybridizing and careful selection on the part of one of **Europe's leading specialists**, who has made a life-long study of this class of flowers. The colors range from creamy white through the various shades of yellow, orange, pink, red and scarlet, to the deepest crimson, giving the widest possible range of tints. All lovers of these beautiful flowers will find in this strain the largest, finest and best flowers ever grown. They are marvels of beauty and productiveness.

**Dwarf Mixed.** These are extremly florifefous, producing the greatest profusion of bloom in all the exquisite tints common to this strain only. Their extreme height is from 8 to 12 inches, they occupy but little room and require no supports. **Pkt. 10c, oz. 15c, ¼ lb. 40c, lb. $1.00.**

**Tall Mixed.** These are very useful for covering banks, trellises, arbors, etc., and are even more prolific in bloom than the dwarf flowering sorts. To obtain the best show of flowers they should not be allowed to go to seed. These are sometimes allowed to grow without supports and are very pretty as they run and bloom among the grass. **Pkt. 10c, oz. 15c, ¼ lb. 40c, lb. $1.00.**

## SWEET PEA NOVELTIES.

New sweet peas are offered each year with such clock-like regularity, that but few persons outside of specialists pay any attention to them. While it is true that improved varieties are being constantly added to the list of good sorts, it is equally true that not ten per cent of the annual introductions show any improvement over existing sorts. In fact, many of them are only old varieties with a new name. It has never been our policy to offer new varieties unless we had positive assurances or proof of their value, and our list of novelties has consequently been curtailed, for we have always considered the interests of our customers at heart always and never knowingly offered anything not possessed of some particular merit over old kinds. This year, however, our representative secured at great expense two new varieties of sweet peas which he saw growing and flowering with the introducers and which we know are well worth a trial by our **Sweet Pea friends and customers.**



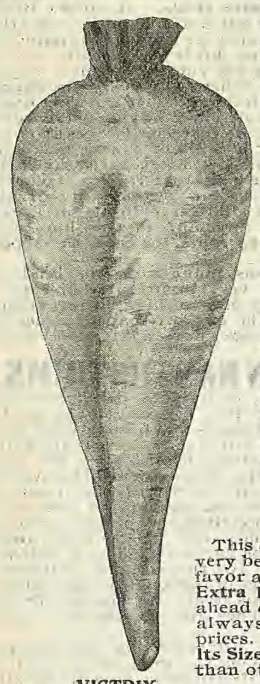
DOROTHY ECKFORD SWEET PEA.

**King Edward VII.** **A new scarlst of unsurpassed beauty, large size and great productiveness.** This is the largest scarlet ever introduced and assumes the same place in the reds that Dorothy Eckford does in the whites. Its color is an intense scarlet, its form most pleasing, its size enormous, four blooms to a stem being not uncommon, while the plant is at all times clean and vigorous in growth. **Pkt. 10c, oz. 15c, ¼ lb. 30c, lb. $1.00.**

**Dorothy Eckford.** **A new white variety, of large size, great vigor of plant, intense beauty and marvelous productiveness.** This is the largest free flowering white ever introduced. The blooms are extra large, borne 3 to 5 on a stem, coming in early. It is a pure white, larger by 1-3 than Grace May or any other white. **Pkt. 10c, oz. 15c, 1-4 lb. 30c, lb. $1.00.**

IMPERIAL GERMAN NASTURTIUMS.

# SPECIALTIES AND RECENT INTRODUCTIONS



VICTRIX.

## Victrix Sugar Beet.

**The Peerless Production of Systematic Selection by an Expert German Grower. The Heaviest Yielding, Richest Sugar Beet in Cultivation. Produces from 25 to 40 per cent. more sugar per ton than any other variety. Plant it once and you will never plant any other.**

This marvelous Twentieth Century Product was introduced by the famous firm of Gustav Jaensch & Co., of Germany, after many years of painstaking selection and careful trials. Its points of superiority are its fine shape, uniform size, great vitality, great vigor of growth, immense productiveness and high percentage of sugar. Heretofore all of these essential qualities have not been combined, but in this new introduction we have a grand combination of the necessary elements for a perfect variety. The roots are medium to large, very uniform and symmetrical, of light color, do not waste in trimming and produce more tons per acre than any other variety. In addition to this they yield from 18 to 20 per cent. of sugar, surpassing all other sorts 6 or 8 per cent. Every sugar beet grower should plant at least one acre of this variety for trial. Every sugar beet factory should investigate its merits for it is unquestionably the **Best Strain of Seed** ever introduced. **Pkt. 5c, oz. 10c, lb. 40c, postpaid. 10 lb. lots at 25c per lb. at purchasers expense. 100 lbs. $20.00.**

## Improved, Extra Early, Lentz Beet.

This old and well-known variety is still one of the very best for general cultivation. Its chief points of favor are as follows:

**Extra Early**—Coming into market ahead of most other varieties and always commanding the highest prices.

**Its Size**—It averages much larger than other varieties of turnip beets.

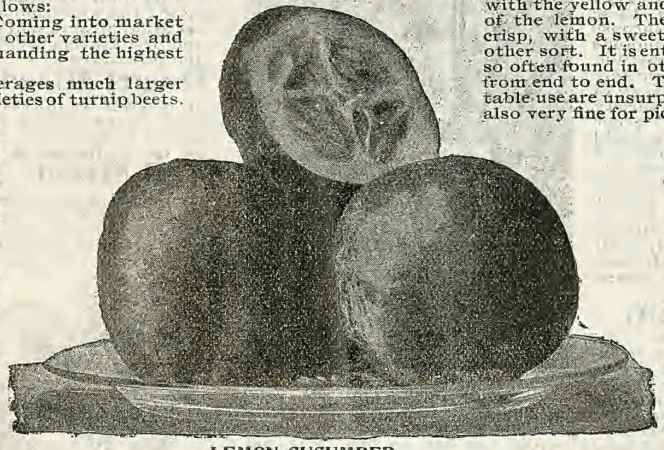
**Its Appearance**—It is the handsomest beet we know of, being of a light, pleasing red. The flesh is prettily ringed, making it especially attractive for table use.

**Its Productiveness**—As a yielder it is unsurpassed. The tops are very small, the roots are very uniform in size and shape.

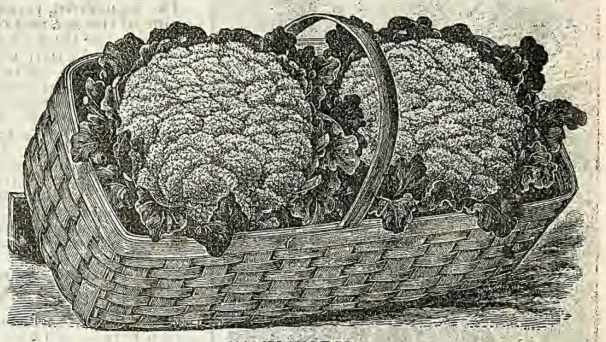
**For Market Gardeners** it offers many attractions as a money maker, while its earliness, large size and attractive appearance render it invaluable for the home garden. **Pkt. 5c, oz. 10c, 1/4 lb. 20c. lb. 60c**

## New Lima Bean, "Willow Leaf."

This is a new sort with very ornamental foliage resembling the leaf of the common willow. The plants are of compact, rounded form, growing 12 to 15 inches tall, while the white blossoms stand out all over the plant above the foliage, and are succeeded by the bright green pods. These resemble the Bush Lima in form but are larger and are well filled with tender, white, delicious beans, which mature two weeks in advance of Burpee's Bush Lima. **Pkt. 10c, pt. 30c, qt. 50c, pk. $2.50.**



LEMON CUCUMBER.



SNOWSTORM.

## Snowstorm Cauliflower.

**A Grand Variety for Forcing or Open Ground Culture. The Finest Type of Cauliflower ever grown. The Summit of Perfection.** This is not an untried novelty, but one of our own introduction some 6 or 8 years since, which we obtained by chance through a friend visiting in Denmark, the home of the Cauliflower. It is of dwarf, erect habit with stout outer leaves enabling it to be planted as close as 2 feet apart each way. It forms large, crisp, tender heads of snowy whiteness in a very short time after planting, being the earliest variety in cultivation. **Pkt. 25c, 1/2 oz. $2.00, oz. $3.50.**

## Lemon Cucumber.

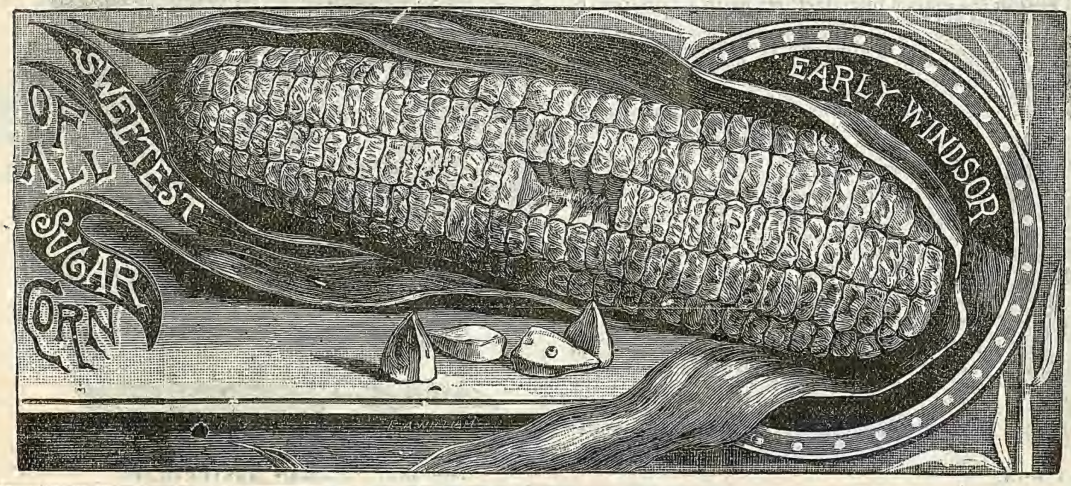
**A new and entirely distinct type of the cucumber family.** In appearance it is nearly round, sometimes slightly oval, with the yellow and green markings and smooth skin of the lemon. The flesh is exceedingly tender and crisp, with a sweet, pleasing flavor unlike that of any other sort. It is entirely free from the bitter acrid taste so often found in others, and is good clear through from end to end. They are excellent for slicing and for table use are unsurpassed, being served whole. They are also very fine for pickling either in the green or ripe state and are very attractive on account of their novel shape. They average about as large as a good size lemon, though much larger specimens have been grown. **Pkt. 10c, oz. 20c.**

## New Early Evergreen Sweet Corn.

**One of the very best Sugar Corns in Existence**, possessing every good quality of Stowell's Evergreen and resembling it in every respect, except that the stalk is about one foot shorter, and that it will mature in 80 days, or fully 10 days earlier. The ears are like Stowell's, very large, with about 18 rows of very large grains, which are of the finest quality. **Pkt. 10c, pt. 30c, qt. 55c, pk. $1.25, bu. $4.50.**

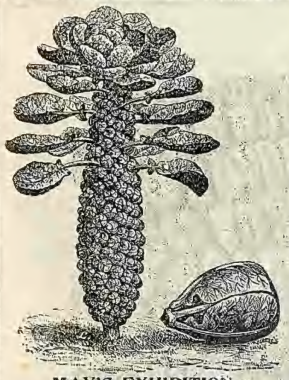
## Early Windsor Corn.

**The earliest of all sugar corns. Very sweet. The most delicious variety that can be grown. Extra early.** Testimonials from growers in all parts of America convince us that in this variety we have the earliest, finest flavored and most productive sweet corn that has ever been produced. It is remarkable for its fine appearance so early in the season, and while the ears are not quite so large as the late sorts, they are always well filled and the kernel is of the best quality. **From actual tests in a fair season, good ears for boiling can be grown in 50 days from planting of seed. This is a record which we think is unequalled by any other corn.** We have never seen anything that can equal Early Windsor, either for private gardens or for the largest gardeners, who make a specialty of supplying the early markets. We certainly recommend it very highly, for we feel it will please every one of our customers who tries it. **Pkt. 10c, pt. 25c, qt. 45c, pk. $1.00, bu. $3.75.**



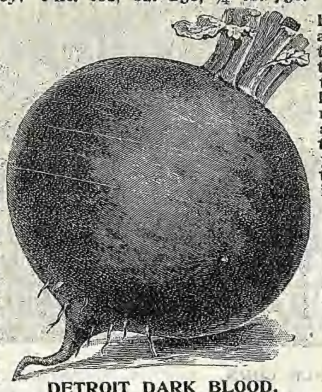
## May's Exhibition Brussels Sprouts.

An excellent new variety, very thickly covered with large and very solid sprouts. The plants are semi-dwarf, strong growers, producing more sprouts per plant than other sorts. The sprouts are very firm, hard and of most delicious, melting quality and are ready for use by October 1st or earlier. The plant appears perfectly hardy and is not easily injured by frost. The many good qualities of this sort recommend it to market gardners and others who wish a first class vegetable, that is sure to produce a good crop, and is, at the same time, of highest quality. **Pkt. 10c, oz. 25c, ¼ lb. 75c.**



MAY'S EXHIBITION.

**If you want a choice article, one that comes thoroughly recommended and is sure to please you, buy this variety.**



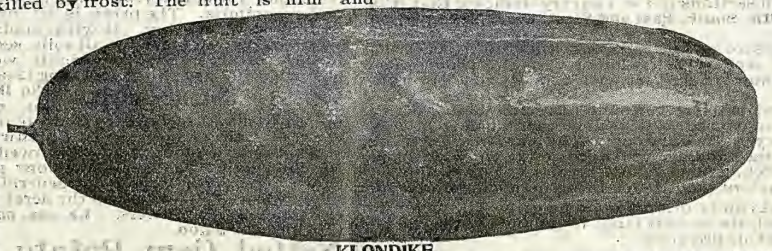
DETROIT DARK BLOOD.

## Detroit Dark Blood Beet.

A most excellent turnip rooted sort. It grows to a large size, is of most handsome appearance, and is very productive in all soils and locations and in all seasons. The tops are small, upright growing, so that the rows may be planted close together. Leaf stems and veins are dark red; blade green, roots globular, perfectly smooth, dark blood red. Flesh bright red, zoned with a darker shade, very crisp, tender and sweet, remaining so a long time. **Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 65c.**

## Klondike Cucumber.

This most excellent variety is of recent introduction and destined to become the most popular sort in cultivation. The fruits are of large, uniform size, most handsome appearance and delicious quality. In addition to this it comes into bearing very early, continuing right through the season until killed by frost. The fruit is firm and hard and keeps in prime condition a long time after picking. For slicing it is unexcelled, being free from the bitter flavor of some sorts. The vines are very vigorous, covering a much larger space than most varieties, and should be planted farther apart than other sorts. The stock of this grand kind is limited so that we have decided to offer it only at retail. We advise our customers to order this early before our stocks are exhausted. **Pkt. 10c, oz. 25c, ¼ lb 75c, lb. $2.00.**



KLONDIKE.

## Hallberts Honey Watermelon.

The flesh of this variety is of a rich yellow color, and in delicious sweetness and rare quality remind one of honey, being, without exception, the sweetest melon we have ever raised It is among the earliest of watermelons. Possibly our customers may find occasionally a sport in their crop, but it is too good a melon to be kept back longer from general distribution. **Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.**

## Australian Yellow Globe Onion.

**This new globe shaped yellow onion** possesses so many points of exceptional merit that we readily accord it first place among the yellow globe sorts. In fact, it so far surpasses all other yellow kinds that it is only a matter of time when it will be the most universally grown of any.

The bulbs are a perfect globe in form, of large size and uniformly thin necked. They average 3 inches in diameter and one half pound in weight. The flesh is very solid, crisp, pure white, and of sweet mild flavor. Its keeping qualities surpass all known sorts, while its handsome appearance will always insure it the highest market price. It ripens very early, producing uniform handsome onions. It is immensely productive, and ripens very evenly even in the worst seasons and on the wettest soils. It certainly is a grand onion and one that can be safely planted in any quantity with the assurance of harvesting a full crop every time. **Pkt. 5c., oz. 15c, ¼ lb. 40c, lb. $1.25.**

AUSTRALIAN YELLOW GLOBE.

ZENITH.

## Zenith Cabbage.

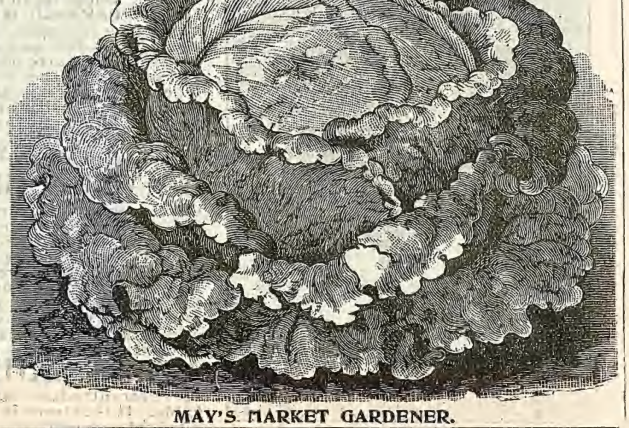
This is a new red variety of German origin, introduced last season. The color is a fine, deep, purplish red, entirely distinct, and most beautiful. The head is of medium size, and very solid, with but few outer leaves. It is very crisp, tender, mild flavored, and most excellent for cooking. It is a second early variety and is especially valuable for market gardners, as it grows quickly; more plants can be grown to an acre than of any other variety. Its beautiful appearance should commend it to all large growers, while its peerless quality recommends it to every one who wants a true red cabbage. **Pkt. 10c, oz. 50c.**

## Baseball Cabbage.

A new and valuble variety, producing round, solid heads of great hardiness and extreme earliness. The plants are extremely dwarf, and, while well furnished with leaves, are so compact that they can be grown 12 inches apart in the row, hence are especially desirable for the home garden. The round heads are solid as a baseball averaging 5 inches in diameter, weighing from 2½ to 3½ pounds each. **Pkt. 10c, oz. 30c, ¼ lb. $1.00.**

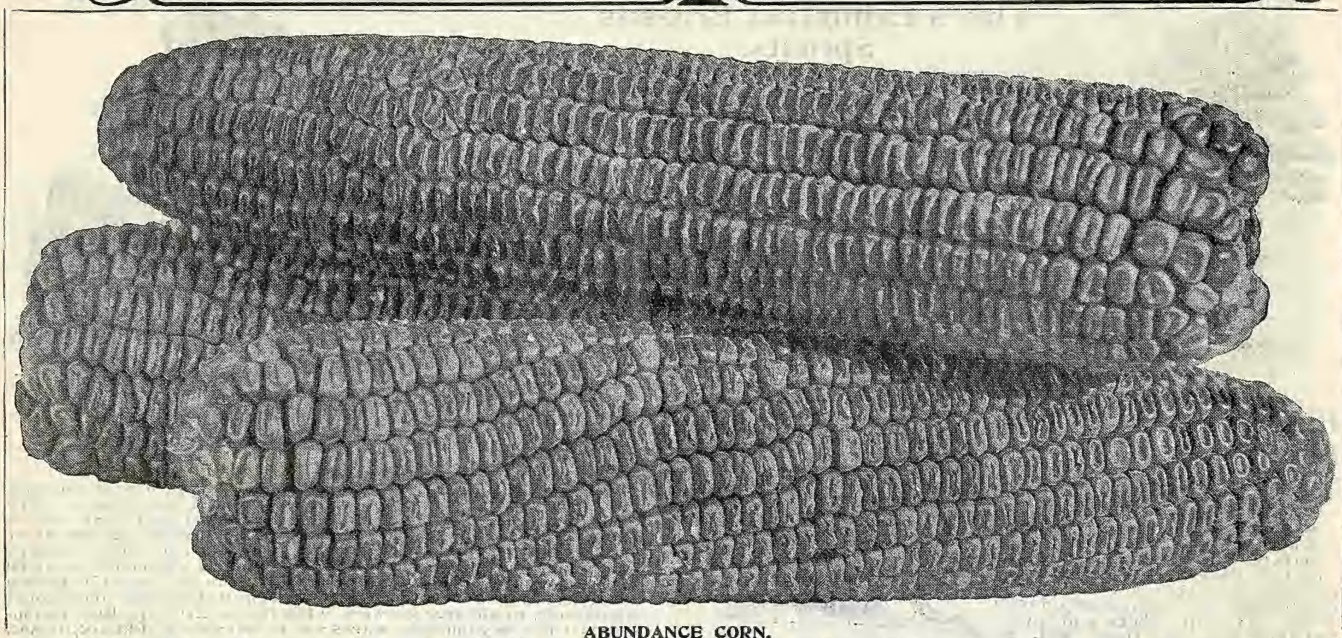
## May's Market Gardener Lettuce.

This remarkable sort was introduced by us several years since and became immensely popular at once on account of its large size, good quality and intense productiveness. For market purposes it surpasses all other kinds and once planted is never discarded. Our Market Gardener is a variety that is unusual for size and solidity of head, and shows but little tendency to run to seed. We have had plants time and again of this variety, eighteen inches in diameter, which weighed nearly four pounds, with heads almost as solid as an early summer cabbage, which in general form it somewhat resembles. This variety blanches itself naturally, is crisp, tender and of excellent flavor, and always free from bitterness. The outside color may be described as a clear, deep apple green, while on the inside the color is a yellowish white. **Pkt. 10c, oz. 15c, ¼ lb. 30c, lb. $1.00.**



MAY'S MARKET GARDENER.

# SPECIALTIES AND RECENT INTRODUCTIONS



ABUNDANCE CORN.

## ABUNDANCE CORN.

**The most productive, large eared, yellow dent variety ever introduced.**

We offered this variety as a novelty last year believing that it possessed unusual merits. The past season's experience proves that we were not mistaken, for reports from all sections of the country indicate that it is the **greatest corn for the North, South, East and West** ever placed upon the market.

**ITS GROWTH** is wonderfully strong and vigorous, the roots penetrating the soil a great distance, rendering it almost drought proof. The stalks grow 7 to 8 feet high and are well set with ears 3½ to 4 feet from the ground.

**ITS PRODUCTIVENESS** is the marvel of all who have grown it. Where other varieties have 1 to 2 ears to the stalk, Abundance has 2 to 3, only 1 ear to the stalk being a very rare occurence. The ears are just the right size—10 to 12 inches long, and are well filled to the tip with from 14 to 18 rows of very long, rich, golden yellow kernels. The yield is invariably very large, 200 bushels of shelled corn being no uncommon crop.

**ITS APPEARANCE** is all that can be desired in any corn. The color is most attractive, the cob small, the kernels long, 70 pounds in the ear invariably making 64 pounds of shelled corn.

**IT MATURES** in from 90 to 95 days from planting, rendering it early enough for all corn sections. Even in the extreme North, if planted in May, it will mature before September 1st. It is the best corn for all sections that we have ever offered, and we know our farmer friends will thank us for recommending it to them. **Lb. 25c, postpaid; Pk. 50c, Bu. $1.75, Bag** (2½ bu.) **$4.00.**

## "NEVER FAIL" COLLECTION.

**For Illustration See Inside Front Cover**

**Oats, Scottish Chief.** This fine variety has been grown in the Highlands of Scotland, for many years, where yields of 150 bushels per acre are not uncommon. The berry is of largest size, full and plump, pure white and very heavy. It withstands drought remarkably well, and seems to be well fitted for all soils, seasons and conditions. Measured bushels of these oats invariably weigh 40 to 42 pounds. **Lb 25c, postpaid; Pk. 35c, Bu. $1.00, Bag** (2½ bu.) **$2.25.**

**Corn, Surecrop.** (80 Days.) This is the largest yielding, extra early, yellow variety in our entire list. It matures its crop in 80 days, which is of special interest to the farmers of the Northwest. The ears (borne two to a stalk) are large, long, 14 to 20 rowed. The kernels are extra long, the cob small. The quality of flour ground from this variety is very choice. We recommend it for general planting, as its earliness, productiveness (150 bushels to the acre) and quality are the three great essentials to all growers. **Lb. 25c, postpaid; Pk, 50c, Bu. $1 75, Bag** (2½ bushels) **$4.00.**

**Netted Gem Potato.** This wonderful variety introduced by us two years ago, quickly jumped into popular favor, and is by far the best variety in existence today.

**IT IS WONDERFULLY PROLIFIC.** From 1¼ acres planted in ordinary good potato soil without fertilizers or any but ordinary cultivation we harvested 552 bushels of good size potatoes.

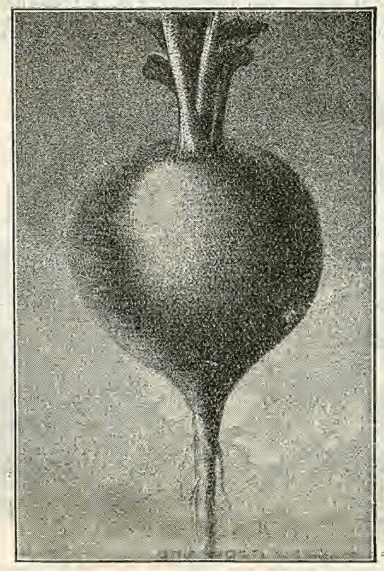
**IT WITHSTANDS DROUGHT in a remarkable manner.** The above mentioned yield was produced in 1901, one of the hottest and driest on record, when for 7 weeks not a drop of rain fell and the themometer ranged from 95 to 105 degrees in the shade for 10 or 12 days at a time.

**ITS QUALITY is unsurpassed.** "The proof of the pudding is in the eating," and the supreme test of any potato is in its cooking and eating qualities. The Netted Gem at all stages of growth and development cooks light and mealy and is of a most delicious flavor.

**ITS KEEPING QUALITIES are unequaled.** It remains firm and hard at all times. Tubers of this variety cellared in October were in as firm a condition the following June as when dug in the fall.

**ITS APPEARANCE is most striking and beautiful.** In shape it is oblong, 5 to 8 inches in length, nearly straight, **well set with eyes all over,** making it the most prolific seed variety ever offered. The skin is of most curious formation for a potato, being very closely netted and veined like the Rocky Ford melon. It is rather thick, enabling it to withstand shipping well as it will reach destination in prime condition and appearance. It is of light russet color, very pleasing and beautiful. **Prices for 1904: Lb. 30c, 3 lbs. 75c, postpaid; Pk. $1 00, Bu. $3.00, Bbl,** (2¾ bushels) **$7 50**

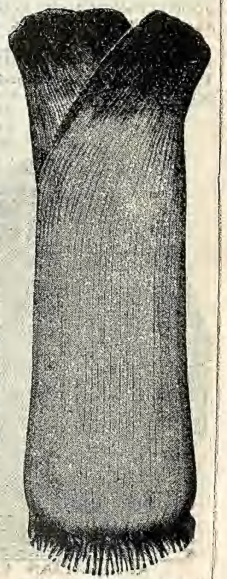
| | |
|---|---|
| **1 lb of each of these 3 varieties for 60c postpaid** | **1 peck of each for $1.60.** |
| **1 bu. of each for $ 5.50.** | |



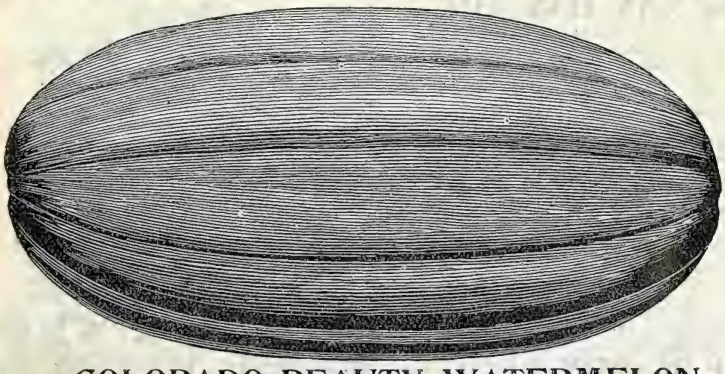
CRIMSON GIANT RADISH.

**CRIMSON GIANT RADISH.** This new variety, introduced by a leading German grower, differs radically from all other existing sorts. Its roots attain more than double the size of those of other globe varieties, without becoming pithy or hollow. Such good varieties as **Non Plus Ultra** and **Scarlet Globe** measure 2 to 3 inches in circumference and weigh ¼ oz.; ouce past that size they are unfit for use. This new Giant however develops roots 6 to 7 inches around, weighing over an ounce, their pure white flesh remaining firm, crisp and of mildest flavor. The roots are almost perfect globes, of a deep crimson color, and readily outsell all other varieties in the early market. It is excellent for forcing and second to none in earliness. **Pkt. 15c, 2 pkts. 25c.**

**MAY'S EXHIBITION LEEK.** This new variety is the most desirable sort ever introduced and should be given a trial by all lovers of this vegetable. It is extremely hardy, of enormous size, the stalk being tender up to a height of 15 inches or more. If you have never grown Leeks you should try this fine sort. **Pkt. 10c, Oz. 30c.**



EXHIBITION LEEK.



## COLORADO BEAUTY WATERMELON.

This can best be described as an improved Kleckley Sweets. It is one of the sweetest, juiciest, finest eating melons ever introduced. They are not the largest melons grown, averaging about 20 lbs. But their quality is far superior to any existing sort, being free from the coarseness so often apparent in the larger melons. The rind is thick and tough enabling it to stand shipping well. Its size is very popular with shippers, while its extraordinary good quality makes it a prime favorite with buyers. In shape it is oblong, slightly lobed, with rather square cut ends; color a deep green; flesh, when fully ripe, a deep red; seeds white, firmly set near the rind. The heart is large, stringless and very sweet. The rind is thin but firm and tough. **Pkt. 10c, oz. 15c, ¼ lb. 30c, lb. $1.00, postpaid.**

## Piersoni Fern.

This superb novelty is a sport from the well known Boston Fern and is unquestionably the handsomest decorative variety ever introduced, even surpassing the highly prized Maiden Hair. It is of the easiest culture imaginable, attains a large size in a short time and at all stages of its growth and development is most handsome. The illustration herewith is from the photograph of a single leaf or frond, although this gives no idea of the grace and beauty of the plant. These fronds are minutely subdivided, each separate pinnae forming a perfect minature frond. When fully developed the leaves are 6 inches broad and are so heavy that they curve gracefully downward giving the plant a much handsomer appearance than the old Boston fern. **Strong, young plants, 50c each postpaid. Larger plants, $1.00 to $10.00 each, by express.**

## Dwarf Champion Pea.

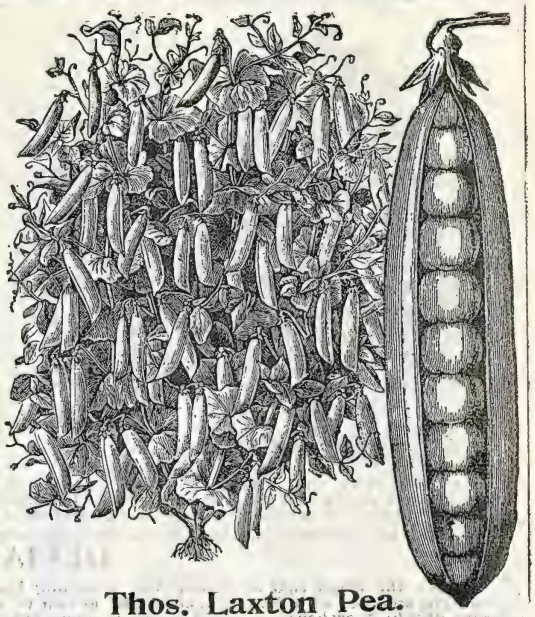
In offering this novelty of the Pea family we feel that we are filling a long wanted demand. This variety has all the merits of the well known and reliable Champion of England, with much less vine, larger pods and more of them. It is a hardy, robust, vigorous grower, producing in great abundance handsome, dark green pods, of large size well filled with plump round peas of most excellent quality. It ripens shortly after the Little Gem and is a most desirable market sort. **Pkt. 10c, pt. 35c, qt. 60c, postpaid.**

## Giant Tree Tomato.

This wonderful variety was introduced by us several years ago and immediately sprang into great favor wherever grown. It is not an untried novelty, but has stood the test of several years and once planted is never discarded. It is the the tomato for the millions; and every owner of a garden, no matter how small, should not fail to grow this wonderful tomato. It grows from 10 to 15 feet in height and if planted early will begin to ripen by July 4th and bears its heavy loads of luscious fruit until killed by frost. The flesh is firm and solid, almost seedless, fine grained clear through and of the most delicious flavor ever found in a tomato. It is the largest tomato we have ever seen; the fruit weighs from 16 to 24 ounces and specimens have been grown weighing 3 pounds. One well developed plant will produce enough fruit for a small family the entire season. The originator spent 20 years in experimenting with this fruit before success crowned his efforts. Owing to its almost seedless nature it has never been cultivated by seed growers and seed is scarce and always will be. A dozen well grown plants, however will produce as much fruit or more than 100 plants of the common sorts, so that large quantities of the seed will never be required for single gardens. It stands without a peer in the tomato family and challenges the world to produce its equal. We know of no greater words of praise than come from one of our best customers in this state, who writes under date of Aug. 10th, as follows· "Your Giant Tree is indeed a "Giant" in every sense of the word. Through an accident I lost all but two of my plants of this variety last spring. These I planted in moderately rich soil, about the 20th of May, beside an old shed some 15 feet high and facing south. The cold, wet rains retarded their growth for a time when they began to grow at an enormous rate. When the intensely hot days of July came they fairly reveled in the heat and by July 10th were up to the eaves of the shed. I then began cutting off the side shoots, trimming away great bunches every day or two. July 22nd, I picked the first ripe tomato, which weighed 18 ounces. Since July 28th I have been picking from 15 to 30 each day, large, luscious fellows, which my family of nine cannot possibly eat and I have given lots away to the neighbors. Is there any market in your city for the fruit as we cannot possibly use it all and I hate to see such fine fruit go to waste." October 5th, he writes— "Still picking a peck of good Giants each day."

**CULTURAL DIRECTIONS.**—Sow seed very early in spring in frames or in boxes in the house. When plants are about 2 inches high transplant to open ground in a deep, rich, well manured soil 2 feet or more apart. Water immediately and continuously throughout the season. Plant in a warm position, where they will get all the sun possible. After they attain a height of five feet cut off the tops so that the strength of growth will go to fruit instead of vines. Train and tie the vines to a stout trellis. **Pkt. 20c, 3 pkts. 50c.**

PIERSONI FERN.



## Thos. Laxton Pea.

A new, early, wrinkled variety of great merit. Vine about three feet high, much like that of the Gradus, but more hardy and much more productive. Pods large, long, with square ends, similar to but larger, longer and handsomer than those of the Champion of England and as uniformly well filled. The green peas are very large, fine colored and unsurpassed in quality. We are certain that this pea needs only to be known to become one of the most popular sorts for the market and home garden, as it certainly is one of the very best varieties yet produced It was raised by crossing Gradus with a very early seedling of the earliest of all. As a first early sort we consider it the best ever introduced and likely to supersede Gradus as it is earlier, hardier in constitution, of better color, and if anything, more prolific than that popular sort. **Pkt. 10c, pt. 30c, qt. 50c, postpaid; pk. $2.00, bu. $6.00.**

## Golden Carmine Pole Bean.

**Excels in Earliness, Quality, Appearance and Productiveness.** This sterling novelty presents so many points of excellence that we are pleased to offer it to our customers knowing that it will give satisfaction in every particular. The pods are fully as large as Horticultural pole, entirely stringless, of a bright golden color when young, as they develop the pods are mottled and streaked with an unusually bright carmine color on the bright golden, giving them a most attractive appearance when ready for market. It is a very robust grower and is unsurpassed for productiveness. The pods are very brittle and tender and of most excellent flavor when cooked. **Pkt. 10c, pt. 40c, qt. 75c, postpaid.**

GOLDEN CARMINE.

# SPECIALTIES AND RECENT INTRODUCTIONS

MAY DAY TREE.

## THE MAY DAY TREE.

This beautiful tree is one of the finest we have ever sent out, and one, which will in a measure supercede many existing sorts. It is of sturdy, vigorous growth, forming compact rounded heads, straight, stiff stems, and very uniform, handsome trees at all stages of growth and development. The leaves are of medium size re embling the wild cherry and appear among the very first in the spring. The flowers resembling cherry blooms, appear early, usually by May 1st, which gives the tree its name. These are produced in great racemes of white, which hanging amid the dense green foliage are very striking and attractive. It is perfectly hardy everywhere and for lawn and park planting fills a long desired place. It has never before been catalogued, and we offer it as one of the prettiest and most useful novelties ever introduced. **12 to 15 inches 25c each, postpaid.**

## THE HARDY LEMON.

(**Citrus Trifoliata.**) As an ornamental flowering plant, few are more desirable. It grows to a height of 10 to 15 feet, is very bushy and thorny, retaining its foliage until late in autumn. The flowers appear in great profusion in the early spring and a second and third crop are produced during the summer. The bright, golden fruit is retained during the winter, which makes it a showy garden plant. It is grand for hedges. It is perfectly hardy in the Middle and Southern states, and most beautiful everywhere. **15c each, $1.50 per doz. postpaid.**

HARDY LEMON.

## DEFIANCE APPLE ORCHARD.

**Defies the frigid cold of winter, the scorching heat of summer. Defies the croakers who claim fruit cannot be grown in the Northwest. Defies the best orchards of the East to produce handsomer, nicer, better fruit.**

This collection of Northern Grown Iron Clad apples has been selected by us with special reference to its adaptability to the Northwest All varieties have been thoroughly tested and are known to be of superior merit. They will give a succession of fruit throughout the season, and are bound to succeed and produce an abundance of fruit in a few years, if given ordinary care and attention. Try an acre or one-half an acre and you will never regret it. This collection will plant one acre, placing them 30 feet apart each way.

**ALL TREES, MINNESOTA GROWN**
**EXTRA HEAVY—5 to 7 feet high, clean and healthy.**
For description see pages 79 to 81.

### 5 Scott's Winter.

| | | |
|---|---|---|
| **5 Duchess.** | **5 Yellow Transparent** | **5 Longfield.** |
| **5 Wealthy** | **5 Wolf River.** | **5 N. W. Greening.** |
| **5 Peerless.** | **5 Whitney Crab.** | **5 Transcendent Crab.** |

### 1 Orchard, 50 Trees for $15.00.

**2 Orchards—100 trees for $29.00 3 Orchards—150 trees for 42.00.**
**1-2 Orchard— 25 trees for 8.00.**

**TO OUR FARMER FRIENDS**—Club together and save money by ordering several orchards at the same time.
**No charge for Boxing or Packing. You pay the freight We do the rest.**

## SCOTT'S WINTER APPLE.

### A Vermont Seedling, of Great Vigor, Great Hardiness, Great Productiveness and Great Beauty, Suggesting Great Profits for Shrewd Planters.

This remarkable variety is not an untried novelty, but has been grown for several years in many sections of the country and has proven hardy, healthy and productive everywhere. To a constitution as hardy as the native oak, is added vigor of growth, and great productiveness. But the most distinguishing feature of this marvelous fruit is its extremely fine appearance, and its most delicious flavor, surpassing all known varieties in each of these important particulars. It is of medium to large size, of full rounded form, very fine texture, brisk, subacid flavor, very dark red color, and a most beautiful fruit at all stages of development. It is the handsomest variety we have ever seen; this alone should recommend it to all who grow for market, while the hardy nature of the tree commends it for general planting everywhere, East, West North and South, in the humble garden of the poor or the spacious ground of the millionaire.

### A Hardy, Healthy, Handsome Variety, Recommended for all Soils, Sections and Climates.

It is a remarkably long keeping apple, being the best from February to April. We believe it is the coming apple both for the large planters, who grow for profit and the people with small yards, who wish a choice fruit for home consumption. The West and Northwest are just waking up to the possibilities of fruit culture. By planting the proper varieties there is no reason why as good fruit cannot be grown here as in more favored sections of the East.

Mr. G. H. Prescott, of Albert Lea, Minn. has 119 Apple trees, ten years old, from which he sold in 1901 $150.00, in 1902 $160.00, in 1903 $120.00 worth of fruit. Surely this pays better than growing wheat, oats, corn or potatoes. From one orchard in Wabaasha County this state, over 1200 bushels of apples were picked and marketed the past year.

In this choice sort from the Green Mountain State, we have a perfect variety, well adapted to all sections, producing choice fruit of finest appearance and best keeping qualities. **Mailing size, 25c each. Second class, 4 to 5 feet. 30c each, $3 00 per doz. Extra Heavy, 5 to 7 feet. 40c each, $4.00 per doz.**

## SPECIAL RATES ON SEEDS IN PACKETS.

**In considering prices please bear in mind all seed packets, ounces, quarter pounds, half pounds, pounds, pints or quarts, are sent postpaid to any point in the United States at prices quoted herein. Seed in larger quantities sent by express or freight always means purchaser pays the transportation charges.**

PURCHASERS remitting $1.00 may select **seeds in packets** at catalogue prices amounting to **$1.30.**
PURCHASERS remitting $2.00 may select **seeds in packets** at catalogue prices amounting to **$2 60.**
PURCHASERS remitting $3.00 may select **seeds in packets** at catalogue prices amounting to **$3.90.**
PURCHASERS remitting $4.90 may select **seeds in packets** at catalogue prices amounting to **$5.20.**
☞This discount does not apply to any of our special offers.

## ARTICHOKE.

German—Artischoke. Swedish—Artskocka.

The Globe Artichoke is grown for its flower heads, which are cooked like asparagus. Seed can be sown in hotbeds and transplanted into pots, until danger of frost is past, then transplant into very rich ground, three feet apart each way, protect in winter, with a slight covering of manure or leaves. The second season they will form heads about July 1st. Once established they will bear for years.

**LARGE GREEN GLOBE**—The standard variety for garden culture. **Pkt. 5c, oz. 30c, 1-4 lb. $1.00.**
**ARTICHOKE ROOTS**—See page 35.

German—Spargel. Swedish—Sparris.

## ASPARAGUS.

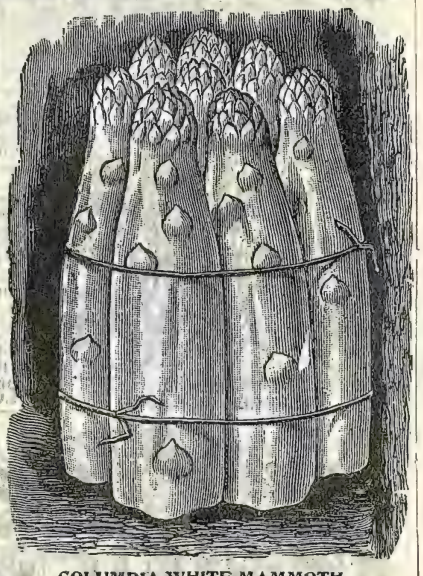
**One ounce for 50 feet of drill; 4 to 5 pounds to the acre.**

Asparagus is one of the earliest spring vegetables, and would be in universal use were it not for the mistaken idea that it is difficult to grow. It delights in moist, sandy soil but can be grown in any garden by following the instructions given here. A bed 15x50 feet requiring about 100 plants, should give an abundant supply for an ordinary family.

**CULTURE**—Sow in April or May, in rows one foot apart, and keep clean by frequent hoeing. When two years old transplant into permanent beds, which should be well and deeply manured and trenched to the depth of 18 inches. On the approach of winter, cover with manure and compost; fork the beds early in spring, and apply a dressing of salt at the rate of six hundred pounds to an acre. Cut for use the second year after planting.

**BARRS MAMMOTH**—Stalks large, frequently an inch in diameter, with few scales; of quick growth, tender and succulent; entirely free from woody fibre. **Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 75c.**
**CONOVER'S COLOSSAL**—A standard sort. Color deep green, spreads less than others. The shoots are of the largest size, very productive and of the best quality. **Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 50c.**
**COLUMBIA WHITE MAMMOTH**—(See Cut.) Furnishes white shoots which stay white as long as fit for use, without earthing up or any other artificial blanching, and can be absolutely depended upon to give 80 to 90 per cent of white plants from seed. **Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 75c.**
**PALMETTO**—A large dark green sort, of vigorous growth, having pointed tips; comes early. **Pkt. 5c, oz. 15c, 1-4 lb. 20c, lb. 75c.**

**Strong one year old roots of any of the above varieties 25 for 50c by mail, $1.00 per 100, $5.00 per 1000 by express at your expense.**



COLUMBIA WHITE MAMMOTH.

## BROCCOLI.

**PURPLE CAPE**—Produces fine heads of a purplish brown color. **Pkt. 10c, oz. 35c, 1-4 lb. $1.25.**
**WHITE CAPE**—Heads medium size, compact, of a creamy white color. **Pkt. 10c, oz. 35c, 1-4 lb. $1.25.**

BRUSSELS SPROUT.

BROCCOLI.

## BRUSSELS SPROUTS.

**CULTURE**—For Brussels Sprouts same as for Cauliflower.
**DWARF IMP**—A standard variety producing compact heads of fine quality. **Pkt. 5c, oz. 15c, 1-4 lb. 50c, lb. $1.50.**
**HALF DWARF PARIS MARKET**—A half dwarf sort bearing handsome crops of round, hard sprouts of the first quality. **Pkt. 5c, oz. 15c, 1-4 lb. 50c, lb. $1.50.**
**MAY'S EXHIBITION**—See list of specialties.

## BEANS---DWARF OR BUSH.

**PRICES QUOTED** by the packet, pint or quart include the prepayment of postage by us. If wanted by express or freight, deduct 8c per pint, 15c per quart. By express or freight means that purchaser pays the transportation charges.

**CULTURE**—No crop responds more readily to good soil and cultivation than this. The soil best adapted to beans is light, rich, well drained loam, which was manured for the previous crop. If too rank manure is used it is apt to make them grow too much to vine. Sow about the first of May, if the ground is perfectly warm; select a warm, dry, sheltered spot; make drills 2 inches deep and 18 inches to 2 feet apart; drop the beans 2 inches apart in the drills, and cover not more than 2 inches deep. Hoe well in dry weather to keep down the weeds. Sow every two weeks for a succession.

**GODDARD OR BOSTON FAVORITE**—Wax Pod. (See Cut.) Vines large, much branched; erect, forming a large bush; leaflets large, crimpled, bright green; pods large, long, flat, usually curved, with long, curved points, green when young, but as the beans become fit for use are splashed and striped with crimson. Green beans very large splashed with red and of fine quality. Seed marked like Dwarf Horticultural and of the same color, but longer and much larger, making them more desirable for market use. The green beans are almost as large, though different in shape and quite as good in quality as those of the Large Lima. **Pkt. 5c, pt. 25c, qt. 45c, pk. $1.50.**
**EXTRA EARLY REFUGEE**—A very early green podded sort, ten days earlier than the old Refugee. Pods nearly round, 5 inches long, beans solid and of fine flavor. **Pkt. 5c, pt. 20c, qt. 35c, pk. $1.10, bu. $4.00.**

GODDARD OR BOSTON FAVORITE.

VALENTINE GIANT STRINGLESS.

**PRICES QUOTED**—By the packet, pint or quart include the prepayment of postage by us. If wanted by express or freight, deduct 8c per pint, 15c per quart. By express or freight means that purchaser pays the transportation charges.

## GREEN PODDED SORTS.

**STRINGLESS GREEN POD**—(See Cut.) **New and desirable. An extra early variety that is certain to give entire satisfaction. Ready for market about two weeks earlier than the old varieties.** It is positively stringless, and remains tender and crisp longer after maturity than any other variety. The pods are of pale green, long and straight, perfectly round and meaty, maturing with the earliest of the green pod varieties. A bean that cannot be too highly recommended **Pkt. 5c, pt. 25c, qt. 45c, pk. $1.50, bu. $4.50.**

STRINGLESS GREEN POD.

**NEW GIANT STRINGLESS GREEN-POD VALENTINE**—(See Cut.) This should not be confounded with the "New Stringless Green Pod." It is a distinct new cross-bred variety, possessing all the merits of the old favorite Round-Pod Valentine, which is one of its parents, and having the following additional points of excellence. It is more prolific, the pods are one-third larger, being five to six inches in length, and are absolutely stringless, unusually crisp, round, full, and fleshy; qualities which will highly recommend it to market gardeners. **Pkt. 5c, pt. 25c, qt. 45c, pk. $1.50, bu. $4 50**

**BEST OF ALL**—Early and of superior quality. Pods which are splashed with red, are round and fleshy. **Pkt. 10c, pt. 25c, qt. 45c, pk. $1.25 bu. $4.25.**

**CALIFORNIA WHITE TREE**—Extensively grown for field culture; color white; very productive. **Pkt 5c, pt. 20c, qt. 35c, pk. $1.00, bu. $3.50.**

**EARLY MOHAWK—Extra Early.** Pods long, straight, valuable for forcing under glass. **Pkt. 5c, pt. 20c, qt. 35c, pk. $1.00, bu. $3.75.**

**EXTRA EARLY ROUND POD VALENTINE**—Usually ready to pick 35 days after planting. Pods round, thick, fleshy, and of finest quality. **Pkt. 5c, pt. 20c, qt. 35c, pk. $1.00, bu. $3.75.**

**EARLY LONG YELLOW 6 WEEKS**—Pods long, straight, narrow and of good quality. **Pkt 5c, pt. 20c, qt. 35c, pk. $1.00, bu. $3.75.**

**HORTICULTURAL**—Pods medium length, fine for snaps or shell. Late and productive. **Pkt. 5c, pt. 20c, qt. 45c, pk. $1.25, bu. $4.25**

**LONGFELLOW**—Pods long, perfectly straight and round, very tender, remarkably early. **Pkt. 5c, pt. 25c, qt. 45c.**

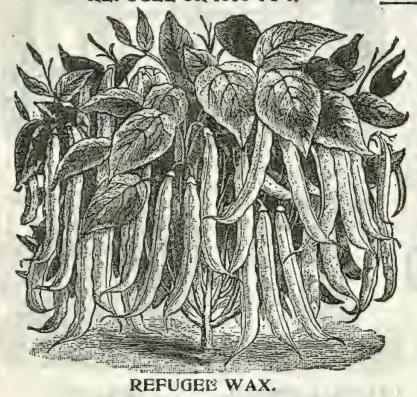
REFUGEE OR 1000 TO 1.

**REFUGEE OR 1000 TO 1**—(See Cut.) Medium to late. Pods long, highly esteemed for late planting and for use as pickles. **Pkt. 5c, pt. 20c, qt. 35c, pk. $1.10, bu $4.00.**

**WHITE NAVY**—Small white seeded, used extensively for baking. **Pkt. 5c, pt. 20c, qt. 35c, pk. $1.00, bu. rate, market price.**

## STRINGLESS WAX PODDED SORTS.

**REFUGEE WAX**—(See Cut.) Strong bushy growth, with slight tendency to form runners; very productive. Slender, handsome, light golden yellow pods five inches long, quite round or pencil shaped, solid, meaty, even when beans are formed, brittle and stringless. It is quite early for a wax variety, and its great productiveness and superior quality make it desirable to plant for market. **Pkt. 10c, pt 25c, qt. 45c, pk. $1.50, bu. $5.00.**

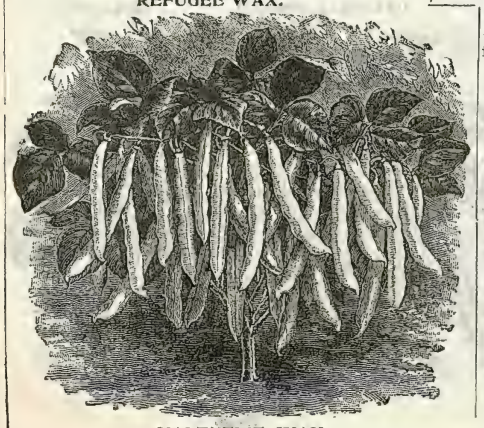


REFUGEE WAX.

**VALENTINE WAX**—(See Cut.) An improved Extra Early Valentine Bean, with round wax pods. It is very early for a Wax Bean. A planting made on June 12th made a fair picking by July 28th—46 days. Very tender and almost without string. The pod is free from any toughness whatever, but is almost solid throughout. **Pkt. 10c, pt. 25c, qt. 45c, pk $1.75, bu. $6.00.**

**JONES' STRINGLESS WHITE WAX**—(See Cut.) A new white-seeded variety with round stringless pods of unsurpassed beauty and quality. It is very hardy, wonderfully productive, and not liable to rust. Pods uniformly handsome, round, fleshy and well filled. Matured beans are white, and if, for any reason, the crop cannot be sold as green snap beans, they can be sold as green shelled or let mature and sell as dry beans. **Pkt. 5c, pt. 25c, qt. 45c, pk $1 75, bu. $6 00**

**DAVIS' KIDNEY WAX**—Something that American bean growers have wanted for years. A wax podded bean with white seed. It is of strong growth and wonderfully prolific, holding its long, straight pods well above the ground. The pods are of a clear waxy white color, and are more conspicuous than the foliage itself when the bush is in full bearing. Seeds of true kidney shape, pure white, with no dark eye whatever. Pods plump, full and entirely rust proof. Used as a snap short; also a shelled bean adapted to home or market. Also excellent for canning purposes. Very early and productive. **Pkt. 5c, pt. 25c, qt. 45c, pk. $1.75, bu. $6.00.**



VALENTINE WAX.

**BLACK WAX**—Pods of good size, almost round, with slightly curved point; color, clear, waxy white or light creamy golden. A very desirable dwarf variety that has remained in favor for many years. The beans are black when perfectly dry. **Pkt 5c, pt. 20c, qt. 35c, pk. $1.50, bu $5.50.**

**BLACK WAY IMPROVED PROLIFIC.** An improved strain of the old Black Wax; a stronger grower, with longer, straighter and rounder pods. A very desirable sort. Its handsome, yellow, fleshy, stringless pods commend it for both home and market purposes. **Pkt. 5c, pt. 20c, qt 35c, pk. $1.50, bu. $5.50.**

**BLACK WAX, CHALLENGER STRAIN**—Extra early, pods round, meaty, brittle, entirely stringless. **Pkt. 5c, pt. 20c, qt. 35c, pk. $1.50, bu. $5.50.**

JONES' WHITE WAX

BURPEE'S BUSH LIMA.

**Prices quoted by the packet, pint or quart include the prepayment of postage by us; if wanted by express or freight with other seed, deduct 8c per pint, 15c per quart. By express or freight means that purchaser pays transportation charges.**

## WAX PODDED SORTS.

CRYSTAL WHITE WAX—(See Cut.) Valuable either for snaps or pickles. The vines are large, of a spreading habit and very productive, having numerous runners, usually producing pods in pairs throughout their entire length. The flowers are rather small, of a yellowish white shade, pods greenish white, rather short, curved and quite thick. **Pkt. 5c, pt. 25c, qt. 45c.**

BLACK WAX, CURRIE'S RUST PROOF—Large, flat pods, very early. **Pkt. 5c, pt. 20c, qt. 35c, pk. $1.50, bu. $5.00.**

DETROIT WAX—Very much like Golden Wax, pods flat, thick. **Pkt. 5c, pt. 20c, qt. 35c, pk. $1.50, bu. $5.50.**

GOLDEN WAX, RUST PROOF—Pods long, broad, flat, golden yellow. **Pkt. 5c, pt. 20c, qt. 35c, pk. $1.50, bu. $5.25.**

CRYSTAL WHITE.

GOLDEN WAX, GRENELL'S—Very productive, pods flat, stringless. **Pkt. 5c, pt. 20c, qt. 35c, pk. $1.50, bu. $5.25.**

GOLDEN WAX, KEENEY'S RUSTLESS—Golden pods, flat, stringless. **Pkt. 5c, pt. 20c, qt. 35c, pk. 1.50, bu. $5.25.**

PENCIL POD—Pods long, thick, fleshy, round as a pencil, stringless, **Pkt. 5c, pt. 25c, qt. 45c, pk. $1 75, bu. 6.00.**

ROGER'S LIMA WAX—Pods broad and flat, color waxy lemon, never tough. **Pkt. 10c, pt. 25c, qt. 45c.**

WARDWELL'S KIDNEY WAX—Early, long, flat, wax pods, nearly straight. **Pkt. 5c, pt. 25c, qt. 45c, pk. $1.75, bu. $6.50.**

YOSEMITE MAMMOTH—Pods often ten to fourteen inches long, nearly all solid pulp, absolutely stringless, cooking tender and delicious. Color of pod, rich golden yellow. **Pkt. 5c, pt. 25c, qt. 45c, pk. $1.75, bu. $6.50.**

## DWARF OR BUSH LIMA.

BURPEE'S BUSH LIMA—(See Cut.) A dwarf form of the true large White Lima. The bushes grow from **18 to 20 inches high**, upright, branching out and forming a compact, bushy plant, bearing large pods well filled with large, delicious beans, similar in size to the well known large pole limas. **An enormous cropper. Pkt. 5c, pt. 20c, qt. 35c, pk. $1.75.**

DREER'S—Very prolific. The beans grow close together in the pods producing 3 to 4 and sometimes 5 in a pod, and are thick, sweet and succulent. **Pkt. 10c, pt. 25c, qt. 45c, pk. $1.75.**

HENDERSON'S—Grows without the aid of poles, in compact bush form, about 18 inches high, very early and productive. **Pkt. 10c, pt. 25c, qt. 45c, pk. $1.75.**

WILLOW LEAF—For illustration and description see list of specialties.

## POLE OR CLIMBING SORTS.

KING OF THE GARDEN LIMA—(See Cut.) Undoubtedly this is more extensively grown than any other sort of its class. It is **a heavy yielder on all kinds of soil**, and is of excellent flavor. The pods are of enormous size, measuring **eight or nine inches in length**, and containing as many as **eight or nine beans. Pkt. 10c, pt. 25c, qt. 45c, pk. $1.75.**

CHALLENGER LIMA—**The pods are much thicker** than those of the other limas and contain from 4 to 5 beans, which are large, thick, white, and of the **best quality. Pkt. 10c, pt. 25c, qt. 45c. pk. $1.75.**

DREER'S LIMA—Pods short, broad and straight. **Pkt. 10c, pt. 25c, qt. 45c, pk. $1.75.**

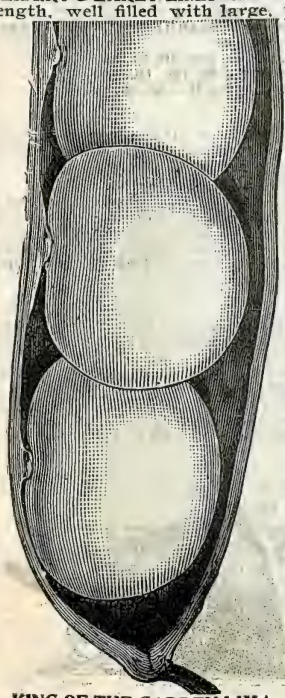
FORD'S MAMMOTH LIMA—Pods produced in clusters averaging 8 to 10 inches in length, containing 5 to 7 beans of excellent quality, both green or dry. **Pkt. 10c, pt. 25c, qt. 45c, pk. $1.75.**

LARGE WHITE LIMA—Considered the **most tender and delicious** of the bean family. **Pkt. 10c, pt. 25c, qt. 45c, pk. $1.75.**

JERSEY LIMA—Pods large and numerous, having from 4 to 5 beans in each. **Pkt. 10c, pt. 25c, qt. 45c, pk. $1.75.**

MAY'S CHAMPION LIMA—**The pods are large, vines vigorous** in growth and exceedingly productive. **Pkt 10c, pt. 25c, qt. 45c, pk. $2.00.**

SEIBERT'S EARLY LIMA—A very early and prolific strain of the Large Lima. Pods of medium length, well filled with large, fleshy beans, which are extremely tender and fine in flavor. **Pkt. 10c, pt. 25c, qt. 45c, pk. $1.75.**



KING OF THE GARDEN LIMA.

BLACK WAX—Pods large, yellow, produced in bunches. **Pkt. 5c, pt. 25c, qt. 45c, pk. $1.50, bu. $5.50.**

CREASBACK WHITE—Long, round, stringless pods; fleshy and tender. **Pkt. 5c, pt. 20c, qt. 35c, pk. $1.50, bu. $5.25.**

CUT SHORT OR CORN HILL—Used for planting among corn. Beans of a white shade, splashed with red. **Pkt. 5c, pt. 25c, qt. 45c, pk. $1.50.**

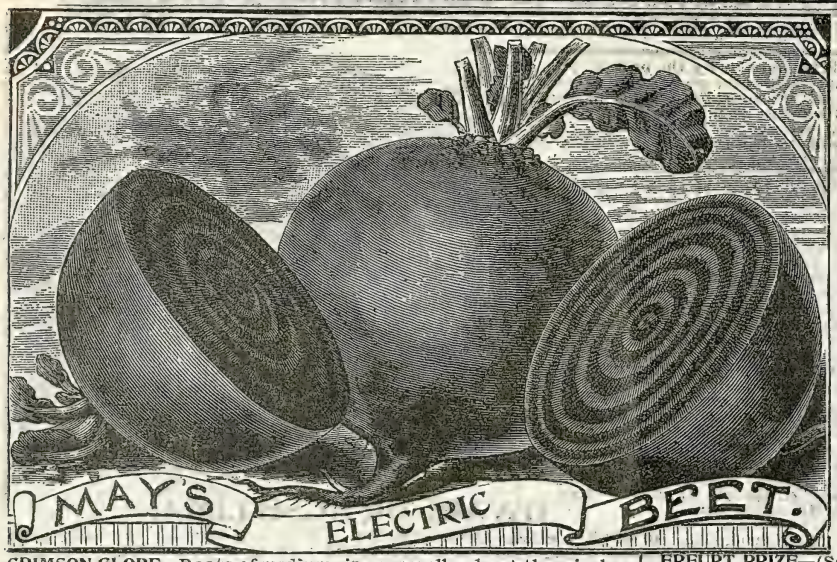
DUTCH CASE KNIFE—Pods long, green and flat, excellent as snaps, cut young or shelled. **Pkt. 5c, pt. 25c, qt. 45c, pk. $1.50.**

HORTICULTURAL OR WREN'S EGG—Pods broad, pale green streaked with red. **Pkt. 10c, pt. 25c, qt. 45c, pk. $1.50.**

LAZY WIFE—Pods are wonderfully broad, thick and above all entirely stringless. Rather flattish, oval shape, and when fully grown are from four to six inches long, exceedingly rich, buttery and fine flavored when cooked. They are hardy, easily grown and most productive. For an early and late snap sort, also as a dry shell or winter bean it is unsurpassed, and such is the peculiar taste and pleasing flavor of this bean that we have known persons who would not eat other varieties of string beans after tasting Lazy Wife. **Pkt. 10c, pt. 25c, qt. 45c, pk. $1.75.**

SCARLET RUNNER—Cultivated both for its beautiful scarlet blossoms and for table use. **Pkt. 5c, pt. 25c, qt. 45c, pk. $1.50.**

GOLDEN CLUSTER—(See Cut.) **The Everlasting Pole Bean. A magnificent variety that bears continuously the entire season. It grows rapidly, bearing very early clusters of three to six pods of rich golden color. Pods average about 8 inches in length, exceedingly tender and entirely stringless,** retaining their plumpness and tenderness long after they have attained a large size, and continue to bear, if the pods are picked, until frost. **It is a very common thing to pick 1-2 to 3-4 of a bushel from a single vine at one picking, and its enormous yield recommends it to every one.** Few, if any of the varieties of late introduction are so popular as the Golden Cluster. **Pkt. 10c, pt. 25c, qt. 45c, pk. $2.00.**




**AT PRICES QUOTED** on beet seed, we pay the postage. If seed is to be sent by express at purchaser's expense deduct 10c per pound

**Sow one ounce to 50 feet of drill, 5 to 6 pounds to the acre in drills.**

## BEETS.

Swedish—Robetar. Spanish—Betteraga.

**CULTURE**—Sow as early in the spring as the ground can be worked, and every two weeks after for a succession, up to the first week of July. The soil should be a light sandy loam, well enriched with stable manure, plowed and harrowed until very fine. For general crop sow about the middle of May. Sow in drills one foot to fifteen inches apart, and when well up, thin from four to six inches. The young beets pulled out of the rows are excellent used for spinach. The Sugar and Mangel Wurzel varieties should be sown from April to June, in drills two feet apart, and afterwards thinned out to one foot apart in the rows.

**ELECTRIC**—(See cut.) Almost round, leaves small set close to the centre; tap root small, combining the maximum of edible bulb with the minimum of root and foliage. The color is a very dark rich crimson, with rings of a lighter hue. It is extremely early, coming in with Extra Early Egyptian. The flesh is rich and sugary. **Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 75c.**

**CRIMSON GLOBE**—Roots of medium size, generally about three inches in diameter, very handsome in shape, with a remarkably smooth surface. It has a very small tap root. The leaves are small, borne on slender stems which occupy but a small portion of the root. The interior color is very deep crimson throughout, but is ringed and zoned in a most beautiful manner, making it very attractive in appearance. **Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 75c.**

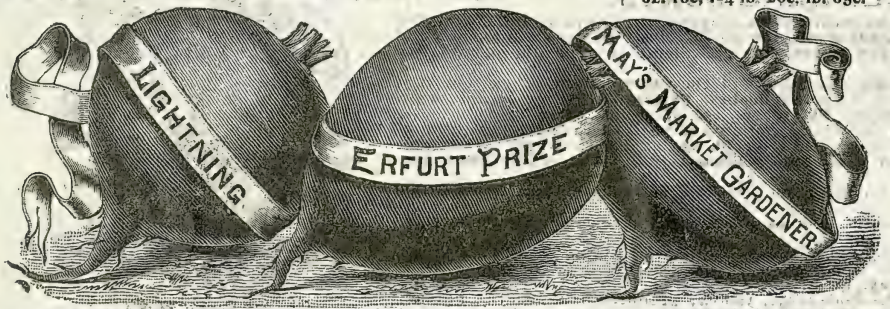
**CROSBY'S EGYPTIAN**—An improved strain of the Early Egyptian smoother and of better quality. **Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 65c**

**DETROIT DARK BLOOD**—Round, skin dark blood red, flesh bright red, very productive. **Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 65c.**

**ERFURT PRIZE**—(See cut.) A popular half long German sort, of excellent flavor, flesh tender. **Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 75c.**

**LIGHTNING.**—(See cut.) **"The King of Early Beets." Absolutely the earliest variety ever introduced.** The roots are of fine turnip shape, skin smooth, flesh a deep blood red, of the most tender quality. A very desirable sort for forcing, for market or private use. **Pkt. 5c, oz. 15c, 1-4 lb. 25c, lb. 75c.**

**MAY'S MARKET GARDENER**—(See cut.) **The Truckers Favorite.** An extra early variety, of uniform size and handsome shape. A perfect variety for table use. When cooked they are of a beautiful red throughout, fine grained and sweet. Valuable for private or market use. **Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 65c.**




**EARLY DEWINGS**—An excellent market sort. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb 55c.**

**EARLY BLOOD TURNIP**—(May's Selected.) Color rich, dark red; roots, fine grained, globular shape, cooks sweet, tender and crisp. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 45c.**

**ECLIPSE EXTRA EARLY**—Round rooted, bright red. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 55c.**

**EDMUND'S BLOOD TURNIP**—Pkt. 5c. oz. 10c, 1-4 lb. 15c, lb. 55c.

**EGYPTIAN EXTRA EARLY**—Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 55c.

**FAUSTS CRIMSON**—Pkt. 5c, oz. 10c. 1-4 lb. 25c, lb. 75c.

**HALF LONG BLOOD**—Pkt. 5c. oz. 10c. 1-4 lb. 15c, lb. 55c.

**LONG SMOOTH BLOOD**—Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 45c.

**STNSON'S DARK BLOOD**—Roots grow to a good size, with very little top foliage, averaging two and one-half inches in length, smooth, regular in form. Flesh tender and sweet. **Pkt. 5c. oz. 10c, 1-4 lb. 25c. lb, 75c.**

**NUTTINGS CRIMSON—Pkt. 5c, oz. 15c, 1-4 lb, 30c, lb, $1.00.**
**SWISS CHARD, WHITE—Pkt. 5c. oz. 10c, 1-4 lb. 15c, lb. 40c.**
**SWISS CHARD, YELLOW—Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 40c.**

## Sugar Beets—For Sugar Making.

**Important.** **THE GREAT VALUE OF MANGELS FOR STOCK FEEDING. The value of these for stock raising cannot be over-estimated, analysis having demonstrated the fact that 400 pounds of Mangels are equivalent to 100 pounds of the best hay. During the past year crops of 1,500 to 2,000 bushels on one acre were raised in the State of Minnesota from seed obtained from us.** They are not as heavy yielders as Mangels, but contain a much larger percentage of saccharine matter. Sow 12 to 15 pounds to the acre. Many seedsmen claim 4 to 6 pounds. In our experience we find the latter to be incorrect.

**VILMORIN'S IMPROVED**—A heavy yielder on all kinds of soil and of the same general shape of our Improved Kleinwanzlebener. **Pkt. 5c, oz. 10c, 1-2 lb. 20c, lb. 35c.**

**VICTRIX**—For description see list of specialties.

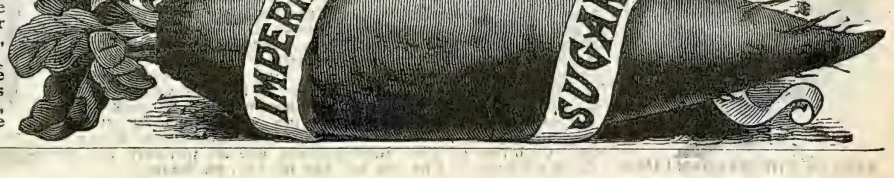
**IMPROVED KLEINWANZLEBENER.** This is a large growing variety that is highly recommended in the Sugar Beet sections. It has a conical shaped root, large at the top and tapering almost to a point at the lower end. About 15 per cent of sugar can be obtained from this sort with ordinary field culture. **Pkt. 5c, oz. 10c, 1-2 lb. 20c, lb. 35c.**

## Sugar Beets for Stock Feeding.

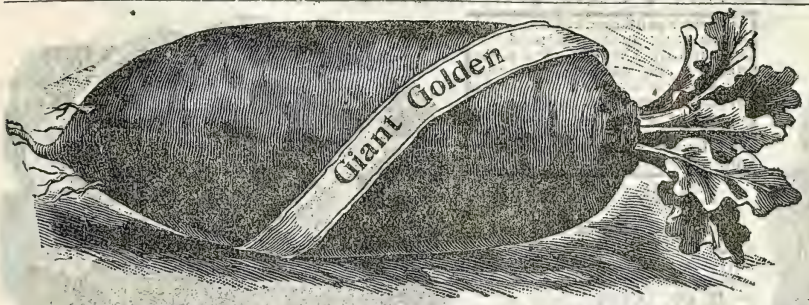
**GIANT FEEDING OR HALF SUGAR MANGEL**—This unites the large size of the mangel with the greater feeding value of the sugar beet. The roots are always regular and uniform, broad at the top with a full and only slightly tapering shoulder. They measure five to six inches in diameter at broadest part, which is very near the top The roots slope gradually, the length averaging ten to twelve inches and the outline is that of a broad thick wedge. This smooth wedge-like form is of great advantage in harvesting, as the roots can be pulled easily. The upper portion is of a soft, bright pink coloring, shading lighter toward the bottom where the lower portion for about one-third the length is white. We are certain that every one who plants this variety and grows it with care will be much pleased with the crop. Every Farmer should try it. **Pkt. 5c, oz 10c, 1-4 lb. 15c, lb. 35c.**

**IMPERIAL SUGAR BEET**—(See cut.) A long variety that is probably more largely grown than any other sugar beet for feeding to stock. It will yield as much as Mangels and contains a large per cent of sugar. Reported to have given a yield of over 30 tons per acre, the cultural cost of which was only 5 cents a bushel. **Pkt. 5c, oz. 10c, 1-2 lb. 20c, lb. 35c.**

**WHITE FRENCH SUGAR**—One that is grown in many parts of France in preference to any other variety. It gives as large a per cent of sugar as the Improved Kleinwanzlebener. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, 1-2 lb. 20c, lb. 35c.**




**Note.** **We can supply any of the above varieties of Sugar Beet by express or freight, 5 lb. lots 20c per lb., 10 lb. 18c, 100 lbs 15c, bags included. In ordering, state variety wanted.**




## MANGELS FOR STOCK FEEDING.

Prices quoted on this page include the prepayment of postage by us. If wanted by express or freight, at purchaser's expense deduct 10 cents per pound. Sow 12 to 15 lbs. to the acre.

**GIANT GOLDEN**—(See Cut.) This is an entirely distinct type of Mangel, of recent introduction, and highly prized wherever introduced. **In England it is largely grown by dairymen and sheep raisers; the former prize it not only for its great yield, but for the rich character of the milk it produces, while the latter claim sheep fed on it thrive better and appear in much finer condition.** Its wonderful yield and popularity in the old country certainly recommends it to every stock grower in America, and from our experience with it we know it will prove very valuable to all dairymen. Flesh is a light yellow and fine grained. **Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 50c. By express or freight, 10 lb. lots 35c per lb.**

**MAY'S MAMMOTH LONG RED**—(See Cut.) This is the finest strain of the Long Red ever offered. The mangels raised from our selected seed are remarkable for their immense size (often weighing 30 to 50 pounds each) and freedom from the coarse grain so often found in the large varieties. **If you want a big crop of fine mangels that will be a great benefit to your stock, increasing the flow of milk and fattening them, you can find nothing that will beat our Mammoth. Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 35c. By express or freight, 10 lb. lots, 20c per lb.**

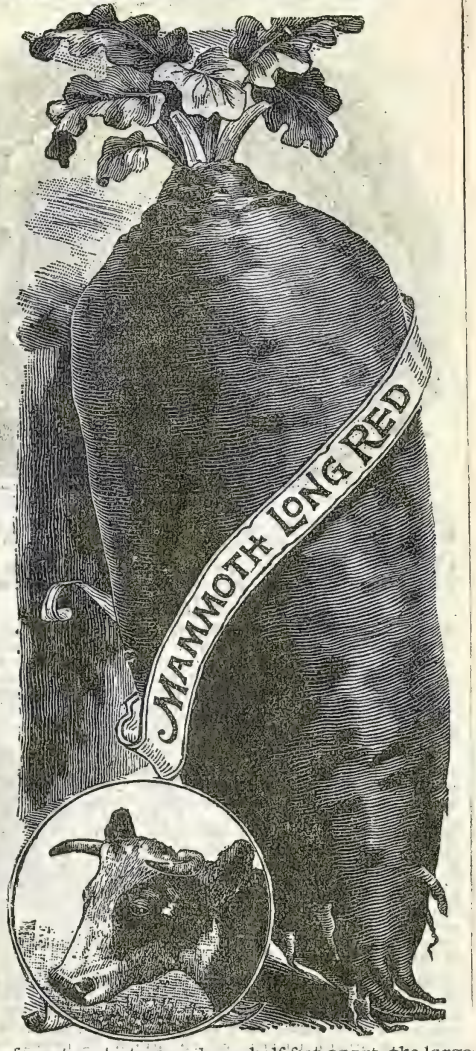
**ENGLISH PRIZE.** The great variety so extensively grown in England for stock feeding. Specimens have been grown weighing over seventy pounds, and it is one of the heaviest croppers that has ever been sent to this country, yielding 1,500 to 1,800 bushels per acre. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 50c. By express or freight, 10 lb. lots, 35c per lb.**

**GOLDEN TANKARD**—Flesh, a rich golden, and of great milk producing qualities. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 40c. By express or freigh, 10 lb. lots, 25c per lb.**

**YELLOW INTERMEDIATE**—Root ovid, intermediate between the long and globe varieties; flesh solid, nearly white, zoned with yellow; hardy, vigorous and productive. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 40c. By express or freight, 10 lb. lots, 25c per lb.**

**RED GLOBE.** A large, red, oval variety, keeps well and is especially adapted to low soils. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 35c. By express or freight, 10 lb. lots, 20c per lb.**

**CHAMPION YELLOW GLOBE.** Its shape and yield makes it one of the best varieties that can be grown, being easily harvested. **Pkt. 5c, oz. 10c, 1-4 15c, lb. 35c. By express or freight, 10 lb. lots, 20c per lb.**




German—Kopf-Kohl. Spanish—Repollo. **CABBAGE.** Swedish—Kal. French—Choux Pomme

**We take special pleasure in recommending our strains of cabbage to our patrons. Exercising, as we do, the utmost care in the growth and selection of our seed stocks, we know that the cabbage seed which we offer is unsurpassed in quality. We do not offer two strains of one variety, as we deem the Best none too good for those who kindly favor us with their orders.**

**CABBAGE**—Will thrive on any good corn land, though the stronger the soil the better it will develop. New land is preferable. Plow deep and manure very liberally. The early sorts bear planting from eighteen inches to two feet apart in the rows, with the rows from two to two and one-half feet apart, the large varieties to be from two to four feet apart in the rows, with rows from two and one-half to four feet apart, the distance varying with the size. Cabbage will not usually follow cabbage or turnips successfully in field culture, unless three or four years have intervened between the crops. If it is desirable to economize space, lettuce or radish may be sown between the rows, as they will be out of the way before the cabbage needs the room. For late or winter crops the seed is sown in May, and the plants set out in July. Cabbage should be hoed every week, and the ground stirred as it advances in growth, drawing up a little earth to the plant each time until it begins to head, when it should be thoroughly cultivated and left to mature. Loosening the roots will sometimes retard the bursting of full grown heads.

MINNESOTA EARLIEST.

To destroy the green worm that is so destrucrive to the leaves and heads of cabbage and cauliflower, take one ounce of saltpetre and dissolve it in 12 quarts of water, then take a short handled whisk broom, dip it in the solution, and sprinkle the plants well. One application is sufficient, unless the stuff is washed off by heavy rains. The liquid, being perfectly clear, never colors the cabbage or cauliflower heads. To prevent the turnip flea from attacking the young plants, sift fine air-slacked lime or tobacco dust over them, as soon as they appear above ground. To preserve cabbages during the winter, pull them on a dry day, and turn them over on their heads a few hours to drain. Set them out in a cool cellar or out of doors in long trenches in a dry situation, covering with boards or straw so as to keep out frost and rain.

**MINNESOTA EARLIEST**—(See Cut.) **A conical shaped, hard headed, extra early cabbage that never fails to give satisfaction.** We introduced this splendid variety in 1891, and it at once took the lead among the large growers who desired an extra early cabbage for the markets. **One of the largest growers of cabbages near St. Paul stated that for two seasons past he had been the first to bring cabbage to the market, and they always brought a very high price, and that he owed it all to our Minnesota Earliest.** We have tested all the extra early cabbages offered the past few seasons and know that none can surpass our Surprise and Minnesota Earliest. It will produce good sized marketable heads seventy days from sowing of the seed. **Pkt. 10c, oz. 25c, 1-4 lb. 75c, lb. $2.75.**

# NORTHERN GROWN PURE CABBAGE SEED.

EARLY SURPRISE.

At prices quoted on cabbage seed we send by mail postpaid. If wanted by express or freight deduct 10 cent per pound. By express or freight always means purchaser pays the transportation charges. **One ounce will produce 1,500 plants. One-fourth pound to transplant one acre.**

## Early Pointed Heads.

**EARLY ETAMPES.**—A fine extra early, small French sort, heads pointed. **Pkt. 5c, oz. 15c, 1-4 lb. 50c, lb. $1.50.**

**EXPRESS**—Heads small, of fine quality. **Pkt. 5c, oz. 15c, 1-4 lb. 50c, lb. $1.50.**

**FILDERKRAUT** — Heads large, pyramidal, of fine quality. **Pkt. 5c, oz. 15c, 1-4 lb. 50c, lb. $1.70.**

**JERSEY WAKEFIELD**—A very popular, early variety; heads solid, pyramidal in shape, with little outside foliage. **Pkt. 5c, oz. 20c, 1-4 lb. 65c, lb. $2.25.**

**CHARLESTON WAKEFIELD**—An improved strain of Wakefield, heads larger, not so pointed, solid, a few days later than Wakefield. **Pkt. 5c, oz. 25c, 1-4 lb. 75c, lb. $2.50.**

**WINNINGSTADT**—A sure header, keeps better than most early sorts. **Pkt. 5c, oz. 15c, 1-4 lb. 50c, lb. $1.50.**

**EARLY DWARF YORK**—Pkt. 5c, oz. 15c, 1-4 50c, lb. $1.50.

**EARLY LARGE YORK**—Pkt. 5c, oz. 15c, 1-4 lb. 50c, lb. $1.50.

## Early Flat Heads.

**MAY'S EARLY SURPRISE**—(See Cut.) Acknowledged to be the largest and finest early cabbage in the world. It comes in ten or fifteen days earlier than the **Early Summer**. It can't be beat for shipping and is worth a fortune to gardeners. The **Early Surprise** is unquestionably the nearest approach to a thoroughbred of any variety ever introduced. More cabbages can be grown to the acre than any other variety we know of. **Pkt. 10c, 3 for 25c, oz. 35c, 1-4 lb. $1.00, lb. $2.50.**

**EARLY SPRING CABBAGE**—(See Cut.) An extra early flat-headed variety coming in with the Wakefield and yielding a third more than any of the extra early sorts. Has only four or five outside leaves, so that it may be planted 21 inches apart, about 14,000 to the acre. It is wonderfully uniform in shape and almost entirely edible, very finely grained and has the peculiarity of heading firmly at an early stage in its growth. **Pkt. 10c, oz. 35c, 1-4 lb. $1.00, lb. $3.00.**

GARDEN GLORY.

**MAY'S GARDEN GLORY**—(See Cut.) This is another novelty of great promise, introduced for the first time last season. It is an extra early, large, solid white variety. It forms large, round, ball-shaped heads, which are ready for the market about the same time as Early Flat Dutch. The heads are pale green, very solid, making it particularly attractive for market purposes. It has but very few outer leaves, which allow it being planted closer together than most varieties. **Pkt. 10c, 1-2 oz. 40c, oz. 75c.**

**ALL HEAD**—Heads flat, hard, well folded, deep through, very uniform. **Pkt. 5c, oz. 25c, 1-4 lb. 75c, lb. $2.50.**

**DEEP HEAD**—Heads large, almost round, very solid. **Pkt. 5c, oz. 20c, 1-4 lb. 65c, lb. $2.00.**

**EARLY DWARF FLAT DUTCH. Pkt 5c, oz. 15c, 1-4 50c, lb. $1.75.**

**EARLY DRUMHEAD**—Pkt. 5c, oz. 15c, 1-4 lb. 45c, lb. $1.50.

**EARLY SUMMER**—Pkt. 5c, oz. 15c, 1-4 lb. 45c, lb. $1.50.

**EARLY BASE BALL**—For illustration and description see list of specialties.

## Medium Late Flat

**ALL SEASONS**—Pkt. 5c, oz. 15c, 1-4 lb. 50c, lb $1.75.

**AUTUMN KING**—An extra large, solid winter cabbage. **Pkt. 5c, oz. 20c, 1-4 lb. 60c, lb. $2.10.**

**FOTTLER'S BRUNSWICK**—Large flat heads; fine shipper. **Pkt. 5c, oz. 15c, 1-4 lb. 50c, lb. $1.75.**

**HOLLANDER OR DANISH BALL HEAD**—(See Cut.) A distinct type highly esteemed for winter use by reason of the great solidity and excellent keeping qualities of the heads. It is one of the best for growing for distant markets or for late spring use. The plant is vigorous, rather compact growing, with a longer stem than most American sorts and exceedingly hardy, not only in resisting cold, but also dry weather. Forms very solid heads which stand shipment better than most sorts. In quality it is one of the best, being very white, crisp and tender. We offer Danish grown seed. **Pkt. 10c, oz. 25c, 1-4 lb. 75c, lb. $2.50.**

**PREMIUM LATE FLAT DUTCH**—Pkt. 5c, oz. 15c, 1-4 lb. 45c, lb. $1.50.

**SOLID SOUTH**—A sure heading late variety; keeping qualities unequalled. It is a large, round sort, heads flattened. **Pkt. 10c, oz. 20c, 1-4 lb. 60c, lb. $200.**

**STONEMASON DRUMHEAD**—Large. **Pkt. 5c, oz. 15c, 1-4 lb. 50c, lb. $1.75.**

**SUCCESSION**—True stock. **Pkt. 5c, oz. 15c, 1-4 lb. 50c, lb. $1.75.**

**SURE HEAD**—Heads large, round. **Pkt. 5c, oz. 15c, 1-4 lb. 50c, lb. $1.75.**

**GREEN GLAZED**—Heads large, rather loose and open; the leaves are a glossy green, particularly adapted to the South. **Pkt. 5c, oz. 15c, 1-4 lb. 50c, lb. $1.75.**

EARLY SPRING.

## Late Flat Sorts.

**LARGE LATE DRUMHEAD**—A standard late sort. Heads large, compact. A sure header. **Pkt. 5c, oz. 15c, 1-4 lb. 45c, lb. $1.50.**

**HUNDRED WEIGHT**—(May's). Will average more good solid, saleable heads per acre than any other extra large late cabbage. **The keeping qualities are excellent, and it is therefore a valuable sort for gardeners growing for distant markets.** The heads are round, flattened, very solid and with few outer leaves. **Pkt. 10c, oz. 20c, 1-4 lb. 65c, lb. $2.00.**

**MARBLEHEAD MAMMOTH**—The plant is very large and late; should be planted early. **Pkt. 5c, oz. 15c, 1-4 lb. 50c, lb. $1.75.**

**LARGE LATE FLAT DUTCH**—(Selected Strain.) **The great cabbage for fall and winter use.** It is a sure header, wonderfully solid and of excellent flavor. The heads are large, oval in shape and flattened. **Pkt. 5c, oz. 15c, 1-4 lb. 45c, lb. $1.50.**

## Savoy Sorts.

**DWARF ULM** — Extra early. **Pkt. 5c, oz. 15c, 1-4 lb. 45c, lb. $1.50.**

**DRUMHEAD** — Fine hard heads. **Pkt. 5c, oz. 15c, 1-4 lb. 50c, lb. $1.75.**

## Red Sorts.

**MAMMOTH RED ROCK**—Heads large, deep red to centre, often weigh twelve pounds each. **Pkt. 5c, oz. 15c, 1-4 lb. 50c, lb. $1.75.**

**RED DUTCH**—Deep red. **Pkt. 5c, oz. 15c, 1-4 lb. 50c, lb. $1.75.**

**ZENITH** — For illustration and description see list of specialties.

HOLLANDER OR DANISH BALL HEAD.

German—Moehren. Swedish—Morotter.

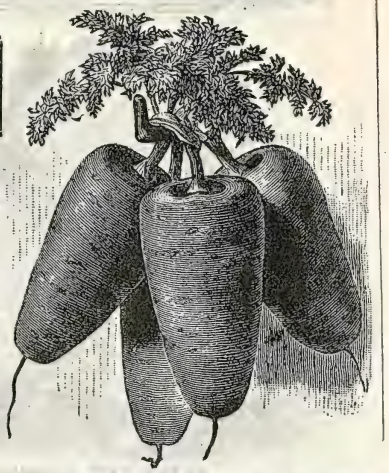
# CARROTS.

French—Carotte. Spanish—Zanahoria.

**At prices quoted** on Carrot seed we send by mail postpaid, If wanted by express or freight, deduct 10 cents per pound. By express or freight always means purchaser pays transportation charges.

**One ounce will sow a drill 100 feet long.**

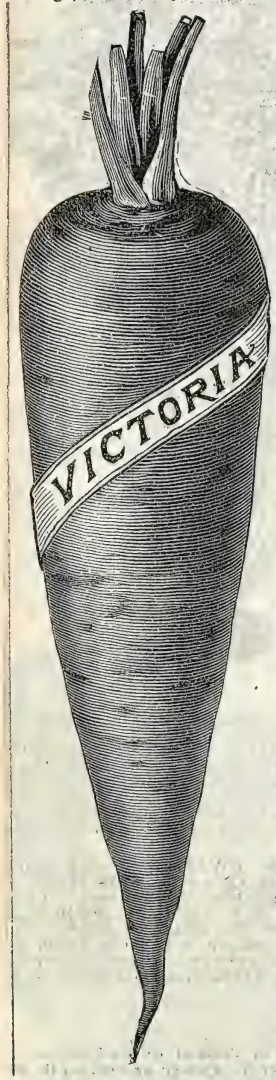
THE TRUE DANVERS.



The carrot is one of the most nutritious and healthful of roots and ought to be more generally used for the table as well as for stock feeding purposes. We ask our readers to give them a trial. Any good, rich garden soil that is deeply worked will raise carrots.

CULTURE—When it is possible to do so, it is advisable to sow as early in the spring as the ground is fit to work, though good crops may, in this latitude, be grown from sowings as late as June 1st, but one is less certain of good crops from such late planting. Prepare the ground thoroughly and sow in drills 18 to 24 inches apart, using from 1 and 1½ to 3 pounds to the acre, according to the distance between rows. Cover ½ to 1 inch deep, and see to it that the soil is well firmed above the seed. As soon as the plants appear, use the cultivator or wheel hoe and do not let the weeds get a start. Thin to 3 to 6 inches apart in the row as soon as the plants are large enough. For winter use gather and store like beets or turnips.

**DANVERS HALF LONG**—(See Cut.) A handsome half long, cylindrical shaped carrot of good size and stump rooted. It is of a rich, dark orange color, grows to a large size, is smooth, and the flesh very close in texture, with little core. A first class carrot for all soils, and is claimed that under good cultivation it will yield the greatest weight per acre with the smallest length of root of any now grown. **Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 70c.**




**CHANTENAY**—(See Cut.) Tops medium sized, necks small, roots tapering slightly, but uniformly stump rooted and smooth, of good size, very crisp and tender. Color deep orange red. Although a medium early sort, it furnishes roots of usable size as early as any, is a heavy cropper and is undoubtedly one of the best for both the market and private garden, while its great productiveness makes it very desirable as a field sort. **Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 75c.**

**CARENTAN**—A good early half-long stump rooted sort, flesh red, coreless, suitable for forcing. **Pkt. 5c, oz. 10c. 1-4 lb. 20c, lb. 65c.**

**GUERANDE OR OXHEART.**—A desirable variety on soil too hard and stiff for the longer growing sorts, as it is not over 5 or 6 inches long. **Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 70c.**

**HALF LONG SCARLET NANTES.** Skin smooth. Stump rooted. **Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 70c.**

**JAMES INTERMEDIATE** — Roots smooth, regular, averaging 10 inches long. **Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 65c.**

**LONG ORANGE**—Large, a fine keeper. **Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 70c.**

**TABLE QUEEN**—(See Cut.) **CHANTENAY OR MODEL STUMP ROOT.**

**Undoubtedly the finest carrot for general use that has ever been introduced.** As will be seen by our illustration it is rather long, coming abruptly to a point and has almost no side shoots. In color it is a rich shade of orange and the flesh is solid, yellow and with no core. It is free from the coarse, rank flavor found in most of the varieties of its size. **For home use we cannot too highly recommend it to our patrons, and we know that for amateurs it is unequaled by any other variety.** We introduced this several years ago and each season convinces us that it is to become one of the leading varieties for private gardens. **Pkt. 10c, oz. 15c, 1-4 lb. 35c, lb. $1.00.**

**SMALL FRENCH FORCING OR GOLDEN BALL**—This is the earliest carrot, and is consequently largely grown for forcing purposes. It is much used for bunching with parsley, onions, etc. Roots are of small size, round, of good color and excellent flavor. **Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 75c.**

**EARLY SCARLET HORN**—A variety of carrot long and favorably known to all growers. It is not large, but is often used for early crop. It is sometimes used for forcing. Considered by many people to be the best early table sort. The flesh is fine grained and the color a deep orange. It has small tops, and grows well in shallow soil. It matures eight to ten days sooner than Long Orange. **Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 75c.**

## STOCK FEEDING CARROTS.

**Sow from 3 to 4 pounds to the acre. Excellent feed for stock and extensively grown for this purpose. Horses relish and fatten on them and keep in healthier condition.**

One of the largest raisers of thoroughbred stock in the West says: "I consider carrots indispensable, and no one who raises cattle can afford to be without them."

CULTURE—For field culture, seed should be sown in drills 3 to 3½ feet apart, so as to cultivate by horses. They succeed best in a good light soil, well enriched by manure. The seed should be covered about one inch deep, and be sure and see that the soil is well firmed above the seed.

**VICTORIA**—(See Cut) Considered the largest, and unquestionably the heaviest cropping and most nutritious stock feeding carrot in cultivation. The roots are remarkably firm, of light orange color, symmetrical and of excellent quality, possessing high feeding qualities. It is especially adapted to rich land, although a heavy cropper on all soils. It is easily harvested, the roots grow partly out of the ground and will **produce half again as much weight per acre as ordinary varities. Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 60c. By express or freight in 5 lb. lots or over 45c per lb.**

**MASTODON**—A vast improvement on the White and Yellow Belgian sorts, which have been favorites in the past, as it is not only much more productive but vastly easier to handle. The flesh is white, crisp, solid and very sweet in flavor. The roots are short and very heavy at the shoulder, making them easy to harvest. Too much can scarcely be said of their size and productiveness. The roots frequently measure 15 to 20 inches, yielding from 20 to 25 tons to the acre. **Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 60c. By express or freight in 5 lb. lots or over 45c per lb.**

**BELGIAN LARGE WHITE**—Root large, white; grows one-third above ground. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 50c. By express or freight, 5 lbs. or over 35c per lb.**

**BELGIAN YELLOW**—Differing from the above only in color. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 50c. By express or freight, 5 lbs. or over 35c per lb.**

**VOSGES LARGE WHITE**—Particularly adapted for shallow soils. **Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 50c. By express or freight, 5 lbs. or over 35c per lb.**

**HOLSTEIN MAMMOTH WHITE**—One of the heaviest yielding carrots we have ever seen. The color is white; flesh solid, crisp and tender; the roots often measuring two feet in length; one of the most profitable sorts that can be grown. **Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 60c. By express or freight, 5 lbs. or over 45c per lb.**

**YELLOW GIANT**—The great stock feeding variety; is the largest and heaviest cropping sort that can be grown and will produce fully 50 per cent more weight per acre than the common sorts. It grows from 20 to 25 inches in length, partly above ground, and is of the best keeping qualities. **Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 70c. By express or freight, 5 lbs. or over 55c per lb.**

EXTRA EARLY DANISH.

German—Blumen-Kohl. French—Choufleur.

## CAULIFLOWER.

Swedish—Blomkal. Spanish—Coliflor.

**At prices quoted** on this page we prepay postage. If wanted by express or freight deduct 10 cents per pound. By express or freight always means purchaser pays transportation charges.

**1 ounce will produce 1,000 plants.**

CULTURE—For spring and summer sow in late February, March or early April, in hotbeds, transplanting to cold frames when of a sufficient size, then to the open ground when frost is over, though a light frost will not hurt them. The soil should be richer than for cabbage. Persian insect powder will keep free from worms. Sow and treat as for cabbage. By giving a liberal supply of water and planting to mature in early summer or late fall, the heads will be much improved. It is also well to cover the heads with the leaves to insure their whiteness. Cut while the curd is hard, to keep from being bitter. The seeds can be sown in September the same as cabbage, and wintered over in the same manner.

**EXTRA EARLY DANISH—(See Cut.)—The Earliest Sure Heading Cauliflower ever offered. A variety no gardener can afford to be without.** We offer this year the finest strain of a Sure Heading Early Cauliflower that has ever been introduced to the gardeners of America and we challenge anyone to produce a variety that will surpass it in habit of growth, earliness or certainty of heading. **It may truly be called "Surehead Cauliflower," as we learn it heads up under the most adverse circumstances when other varieties fail entirely.** As may be seen by the name it is a European variety and we have procured our seed direct from one of the largest and most reliable growers in that part of the world, where Cauliflower reaches the highest state of perfection. It is of dwarf, compact habit and valuable for either forcing or open ground; the heads are of good size and a snowy white. **We have paid a high price for our seed and believe it is worth all we ask for it** Pkt. 25c, 5 pkts. $1.00, 1-2 oz. $1.75, oz. $3.00.

ALGIERS LARGE LATE—Popular with market gardeners. Pkt. 10c, oz $1.50.

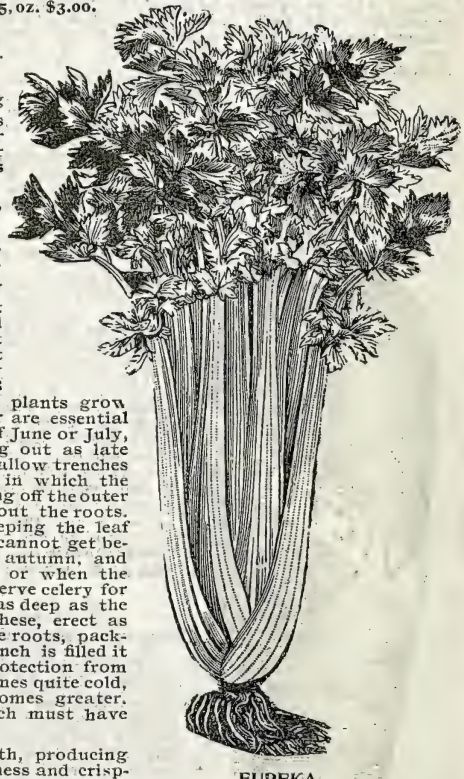
AUTUMN GIANT—Vigorous in growth. Very large; late. Pkt. 5c, oz. 75c.

ERFURT EXTRA EARLY—(Selected Forcing.) Dwarf, compact; stem short, leaves small. Pkt. 20c, 1-2 oz. $1.75, oz. $3.00.

EARLY LONDON—A standard early variety. Pkt. 5c, 1-2 oz. 40c, oz. 75c.

EARLY SNOWBALL—(Forcing.). (Selected Stock.) Grown both for forcing or wintering over for early crop. Also for late summer and fall crop. The plants are compact, heads solid, round, pure white. Many leading market gardeners in this section **claim it is by far the best variety for marketing** owing to the fact that it may be planted very close together and thus save a large amount of ground space. **We offer a carefully selected strain of this variety.** Pkt. 20c, 1-2 oz. $1.75, oz. $3.00.

SNOW STORM—Valuable for forcing or growing in the open ground. Pkt. 25c, 1-2 oz. $2.00, oz. $3.50.



EUREKA.

German—Sellerie. Swedish—Selleri.

## SOME CHOICE CELERIES.

French—Celeri. Spanish—Apis.

CULTURE—Sow this slowly germinating seed in a shallow box or in straight rows in a finely prepared bed. See that the seeds are kept almost wet and only lightly covered until they germinate. Thin and transplant when about two inches high, so that when about 4 inches high the tops may be cut off, the plants standing about 3 inches apart. By cutting it makes the plants grow stocky. A good soil and plenty of water are essential to success. Set out about the middle of June or July, but good plants may be had by setting out as late as August. In setting, prepare broad shallow trenches about 6 inches deep and 4 feet apart, in which the plants should be set 6 inches apart, cutting off the outer leaves and pressing the soil firmly about the roots. Earth up a little during the summer, keeping the leaf stocks near together, so that the soil cannot get between them. Finish earthing up in the autumn, and never hoe or earth up in moist weather or when the plants are moistened with dew. To preserve celery for winter, dig trenches a foot in width and as deep as the top of the plants. Stand the celery in these, erect as they grew, with what dirt adheres to the roots, packing closely, but not crowding. After the trench is filled it should be covered with straw or leaves as a protection from the frost. Do not cover until the weather becomes quite cold, and then only a little at a time as the cold becomes greater. Celery will bear a good deal of frost. The trench must have good drainage.

GOLDEN SELF-BLANCHING. GENUINE FRENCH SEED.

EUREKA—(See Cut.) Of dwarf, compact growth, producing most beautiful stocks which retain their tenderness and crispness for a very long period. A perfect self-blanching variety. The outer leaves are cream tinted green, the stalks and inner leaves creamy white; ribs crisp and tender. Pkt. 10c, oz. 20c, 1-4 lb. 60c, lb. $2.00.

GOLDEN SELF-BLANCHING—(See Cut.) This is the best celery for early use. Critical gardeners depend upon our stock of this sort to produce their finest early celery. Plants of a yellowish green color, but as they mature the inner stems and leaves turn a beautiful golden yellow, which adds much to their attractiveness and makes the work of blanching much easier. The handsome color, crispness, tenderness, freedom from stringiness and fine nut like flavor of this variety make it only necessary to be tried in order to establish it as the standard of excellence as an early sort. Pkt. 10c, oz 35c, 1-4 lb. $1.25, lb. $4.00.

AMERICAN WHITE SOLID—Of large size; pure white. Pkt. 5c, oz. 15c, 1-4 lb. 40c, lb. $1.40.

BOSTON MARKET—White, crisp and solid. Of rather loose habit. Pkt. 5c, oz. 15c, 1-4 lb. 40c, lb. $1.40.

CRAWFORD'S HALF DWARF—Solid, white; nut like flavor. Pkt. 5c. oz. 15c, 1-4 lb. 40c, lb. $1.40.

EVAN'S TRIUMPH—A solid green sort of excellent quality. Pkt. 10c, oz 20c. 1-4 lb. 60c, lb. $2.00.

GIANT PASCAL OR WINTER KING—A good keeper. Pkt. 5c, oz. 15c, 1-4 lb. 40c, lb. $1 40.

HENDERSON'S HALF DWARF—Yellowish white; fine flavor. Pkt. 5c, oz. 15c 1-4 lb. 40c, lb. $1.40

HARTWELL'S PERFECTION—Winter sort. Large golden yellow. Pkt. 5c, oz. 15c, 1-4 lb. 40c, lb $1.40.

ROSE RIBBED PARIS OR GOLDEN ROSE — Fine flavor. Pkt. 10c, oz 30c, 1-4 lb. $1.00, lb. $3.00.

WHITE PLUME—Plants light yellowish green, turning white as they mature. Pkt 5c, oz 25c, 1-4 lb. 60c, lb. $2.

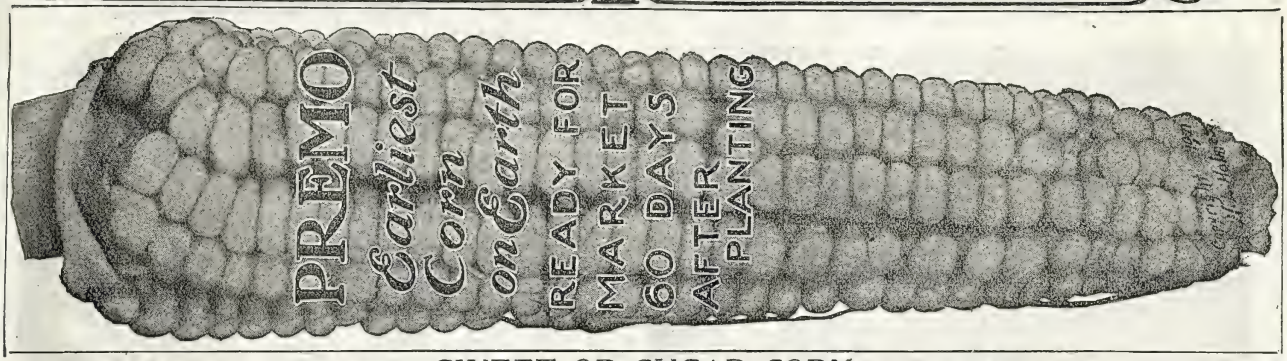
## Celeriac or Turnip Rooted Celery.

CULTURE—Sow same as celery. Transplant in rows two feee apart and nine inches in the row. The roots may be cooked or used as a salad.

APPLE—Of very regular shape, with fine neck and small leaves. It may be planted thickly and will yield a heavy crop. Pkt. 5c, oz. 20c, 1-4 lb. 50c.

LARGE ERFURT—The root, which is turnip shaped, is cooked or sliced and used with vinegar. Plants vigorous. Pkt 5c, oz. 20c, 1-4 lb. 50c.

LARGE PRAGUE—An improved form of turnip rooted celery, producing large smooth roots which are almost red. Pkt. 5c, oz. 20c, 1-4 lb. 40c.




# SWEET OR SUGAR CORN.

CULTURE—This requires a good soil and a warm situation. Commence for first early by planting the early varieties about May 1, and, if a continuous supply is wanted all summer, make plantings about two weeks apart from May 1 until the last of July, first planting early varieties, then later ones. Plant in rows three feet apart, and make the hills about the same distance apart in the rows. Five kernels in the hill are plenty. Cover about 1 inch deep for early, and a little deeper for late. Thin to three plants in a hill. Give frequent and thorough but **shallow** cultivation until the tassels appear.

**Prices quoted on Sweet Corn by the packet, pint or quart, include the prepayment of postage. If wanted by express or freight deduct 5 cents per pint, 10 cents per quart. By express or freight means that purchaser pays transportation charges. Plant 1 quart to 200 hills, 8 to 10 quarts in hills to the acre.**

## EXTRA EARLY SORTS.

MAY'S EXTRA EARLY PREMO—(See Cut.) **The earliest ripening variety in existence. Ten days ahead of Extra Early Adams.** It produces stout stalks about five feet high, each bearing two and sometimes three well developed ears, which are fit for the table fully a week to ten days ahead of any known sort. The ears are 8 to 10 rowed and 1 to 2 inches longer than Cory or Adams. The kernels are large, plump, tender and of sweetest quality. **Pkt. 5c, pt. 20c, qt. 35c, pk. $1.25, bu. $4.00**

METROPOLITAN—(See Cut.) An early variety possessing unusual merit. The strong stalks are 5½ feet high. The leaves are numerous, narrow and dark green in color. Each stalk produces 2 to 3 ears, which are set very low, not over 18 inches from the ground. The ears are uniformly 9 inches long, 10 to 12 rowed, well filled to the tip with large, deep, tender grains. One of the best of the true early sorts. The husk is thick, heavy and practically free from smut and worms. An admirable sort for table or market; particularly fine for shipping. **Pkt. 5c, pt. 20c, qt. 35c, pk. $1.25, bu. $4.00.**

ADAMS EXTRA EARLY—Not a true sugar corn, but grown for early use. **Pkt. 5c, pt. 20c, qt. 35c, pk. 85c, bu. $2.75.**

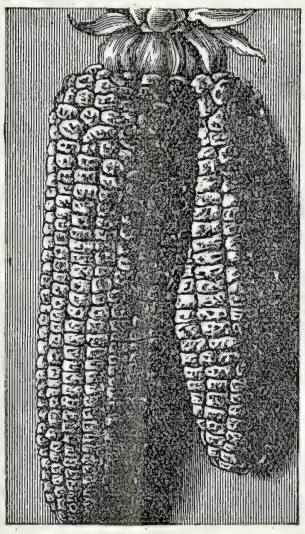
CORY RED—Ears good size, grain large, cob red. **Pkt. 5c, pt. 20c, qt. 35c, pk. $1.00, bu. $3.25.**

CORY WHITE—**Pkt. 5c, pt. 20c, qt. 35c, pk. $1.00, bu. $3.25.**

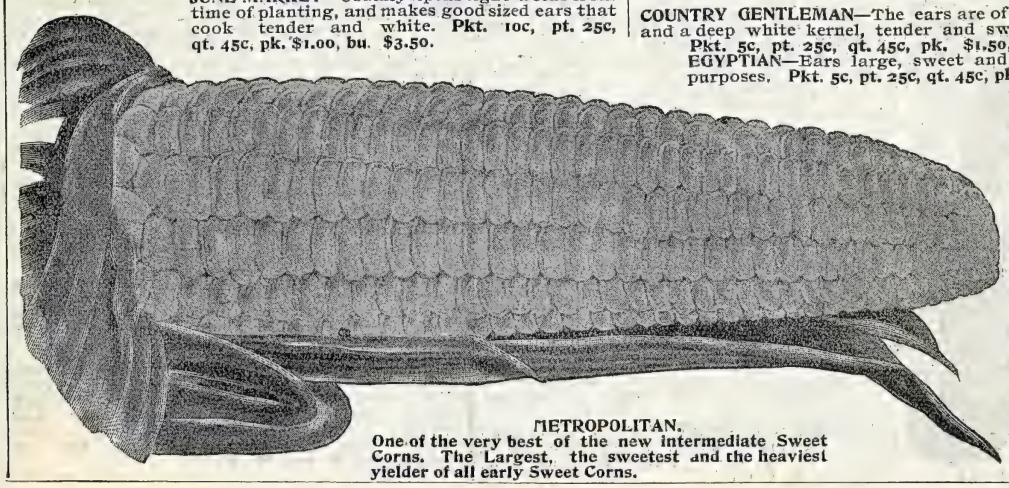
CROSBY—Twelve rowed. **Pkt. 5c, pt. 20c, qt. 35c, pk. $1.25, bu. $4.00.**

FIRST OF ALL—Matures three to five days earlier than the Cory. Ears are of medium size, well filled with quite large grains, frequently having from 10 to 12 rows of grain. **Pkt. 5c, pt. 20c, qt. 35c, pk. $1.00, bu. $3.50.**

JUNE MARKET—Usually ripens eight weeks from time of planting, and makes good sized ears that cook tender and white. **Pkt. 10c, pt. 25c, qt. 45c, pk. $1.00, bu. $3.50.**



MAY'S ACME.



METROPOLITAN.
**One of the very best of the new intermediate Sweet Corns. The Largest, the sweetest and the heaviest yielder of all early Sweet Corns.**

MAMMOTH WHITE CORY—Ears larger than the Common Cory, with 2 to 3 to the stalk; twelve rowed. **Pkt. 10c, pt. 25c, qt. 45c, pk $1.00, bu. $3.25.**

MINNESOTA EARLY—A standard early sort. **Pkt. 5c, pt. 20c, qt. 35c, pk. $1.00, bu. $3.25.**

SHEFFIELD—Stalks five feet high, bearing two good sized ears, from 10 to 12 rowed. **Pkt. 5c, pt. 20c, qt. 35c, pk. $1.00, bu. $3.50.**

WINDSOR—Extra Early. For illustration and description see list of specialties.

## MEDIUM EARLY SORTS.

MAY'S ACME—(See Cut.) This is the very best second early sweet corn we have found, nearly as early as Minnesota, with ears much larger; will come in right after June Market; earlier than Moore's Concord, and much better in quality, and ears larger, generally 12 rows, but sometimes 10 to 14 rows, and 8 to 10 inches long, and remarkably productive. For home use or market this will be found to be the very best of its season. We sell large quantities of this to canners for seed. **Market Men:** This is just what you want for second early corn; it cannot fail to please you and your customers. **Farmers:** This you will find the most profitable corn you can grow to feed; it will produce more bushels of ears than any field corn and fatten your hogs faster and the fodder is worth double. Try it and be convinced. **Pkt. 10c, pt. 25c, qt. 45c, pk. $1.25, bu. $4.00.**

KENDEL'S EARLY GIANT—Ears 8 to 10 inches long. Grain pure white, tender and sweet. **Pkt. 5c, pt. 25c, qt. 45c, pk. $1.00, bu $3.50**

HICKOX IMPROVED—**Pkt. 5c, pt. 20c, qt. 35c, pk. $1.00, bu. $3.50.**

MAMMOTH EARLY—Very large, and not very late. **Pkt. 5c, pt. 25c, qt. 45c, pk. $1.25, bu. $4.50.**

MOORE'S CONCORD—Of strong growth; ears large and well filled. **Pkt. 5c, pt. 20c, qt. 35c, pk. $1.00, bu. $3.50.**

OLD COLONY—Ears 8 to 10 inches long, twelve rowed. **Pkt. 5c, pt. 20c, qt. 35c, pk. $1.10, bu. $4.00.**

PERRY'S HYBRID—Very early and of large size; ripens with Early Minnesota; 12 to 14 rowed. **Pkt. 5c, pt. 20c, qt. 35c, pk. $1.00, bu. $3.50.**

SHAKER'S EARLY—Ears large. Grain pearly white, of fine flavor **Pkt. 5c, pt. 20c, qt. 35c, pk. $1.00, bu. $3.00.**

## LATE SORTS.

COUNTRY GENTLEMAN—The ears are of good size, with a small cob, and a deep white kernel, tender and sweet, 3 to 4 ears to the stalk. **Pkt. 5c, pt. 25c, qt. 45c, pk. $1.50, bu. $5.00.**

EGYPTIAN—Ears large, sweet and tender, grown for canning purposes. **Pkt. 5c, pt. 25c, qt. 45c, pk. $1.00, bu. $3.25.**

STOWELL'S EVERGREEN, IMPROVED—Tender, sugary, a heavy yielder. **Pkt. 5c, pt. 20c, qt. 35c, pk. $1.25, bu. $4.50.**

ZIG-ZAG EVERGREEN—A very sweet corn, ripening 8 days ahead of Stowell's Evergreen. **Pkt. 5c. pt. 25c, qt. 45c, pk. $1.25, bu. $4.50.**

## POP CORN.

**Packet 5c, lb. 20c, postpaid. By express or freight, 5 lbs. 35c, 10 lbs. 60c.**

GOLDEN QUEEN—Cobs small, ears large, and the kernels pop to over an inch in diameter.

MAPLEDALE—Ears measure over six inches; kernels pure white.

NEW STRIPED—Very distinct and showy.

RED BEAUTY—Color dark red.

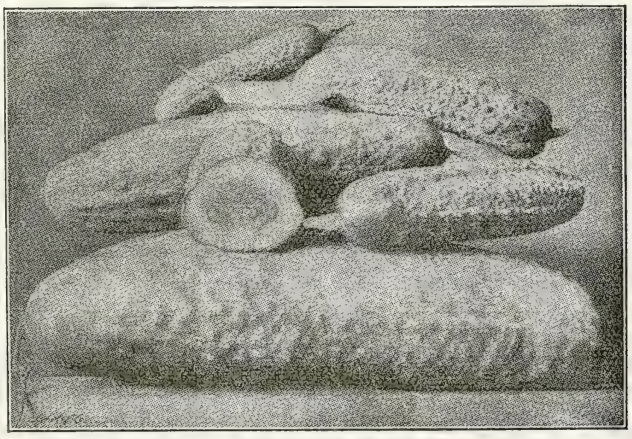
RICE—A splendid popping sort.

WHITE PEARL—Ears four or five inches long.

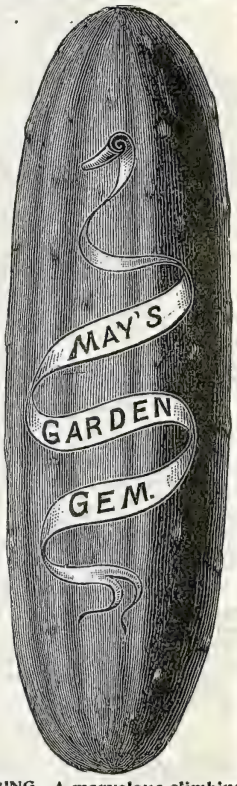
# CUCUMBERS.

German—Curfe. French—Concombre.
Swedish—Gurka. Spanish—Cohombro.

**Prices quoted on Cucumbers include the prepayment of postage by us. If wanted by express or freight deduct 10 cents per pound. By express or freight always means purchaser pays transportation charges. Sow 1 ounce to 50 hills; 2 to 3 pounds in hills to the acre.**



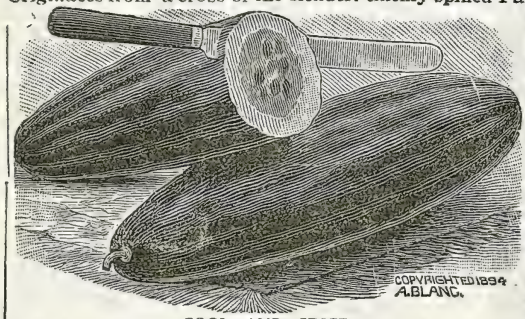
CUMBERLAND.




**THE WONDERFUL LEMON CUCUMBER.** described in list of specialties.

**CULTURE**—Cucumbers need a warm sandy soil, and should not be planted in open ground until the weather is settled and warm, as they will not thrive until the ground is thoroughly warmed. Sprinkle the young plants with fine ashes, plaster or air-slacked lime to protect them from bugs. Plant a dozen seeds to a hill, covering half an inch deep. After the plants are started, pull all but three or four of the strongest. The middle of June is early enough to plant for pickling. Make the hills about six feet apart. For early cucumbers the hotbed is necessary, but the simplest and surest way to produce a tolerable early crop of the best kind is where it is designed to place a hill, to dig a hole about eighteen inches deep and three feet across; into this put a barrow of fresh manure and cover with a small box-like frame, on the top of which place a couple of lights of glass. When the plants grow keep the earth drawn up to the stems. Water and give air. As fast as the cucumbers attain a suitable size, they should be taken from the vine, whether required for use or not, as their ripening soon destroys the vine's fruitfulness.

**CUMBERLAND**—(See Cut.) A distinct sort which is especially desirable for pickling. The vines are hardy, of strong vigorous growth and fruit freely. The young cucumbers are of even size and regular form, thickly set with small spines, and are equally attractive for making small Gherkins, medium sized or large pickles. Cumberland originates from a cross of the slender, thickly spined Paris Pickling and the popular White Spine. The straight, young fruits possess the distinctly roughened surface so much desired for small pickles. The large fruits average 9 to 10 inches in length, 2½ inches in diameter, with full rounded ends, and are of excellent quality for slicing. **Pkt. 10c, oz. 20c, 1-4 lb. 60c, lb. $2.00.**




COOL AND CRISP

**COOL AND CRISP**—(See Cut.) Extra early and very productive. At the pickling stage they are straight, long, even and slim, of a dark green color. While it is one of the best pickling varieties, it is also excellent for slicing. **Pkt 10c, oz. 20c, 1-4 lb. 60c, lb $2.00.**

**EABLY PRIZE**—(See Cut.) **The finest forcing cucumber offered. Extra early, a prolific bearer, a vigorous grower and of splendid shape and quality.** That's exactly the description given by one who has grown it for the early market It is a most excellent sort for either pickling or table use, and its earliness at once recommends it to all who wish an early cucumber. **Pkt. 10c, oz. 20c, 1-4 lb. 60c, lb. $2.00**

**MAY'S GARDEN GEM**—(See Cut.) A desirable variety for slicing. In size, symmetry, color and productiveness, it is a perfect strain. For general crop to come in after Early Prize it is undoubtedly the most desirable sort that can be secured. **Pkt. 10c, oz. 20c, 1-4 lb. 60c, lb. $2.00.**

**JAPANESE CLIMBING—A marvelous climbing variety introduced from Japan. The vines are strong growing and immensely productive, it being estimated that it will yield three times as much than any other variety in a given space.** The cucumbers are about 10 inches in length, of a beautiful green color; the flesh is firm and free from the bitter taste found in some varieties. It can be trained on poles, trellises, fences, etc. **Pkt. 10c, oz. 25c.**

**LEMON**—For illustration and description, see list of specialties.

**LONG GREEN IMPROVED**—This fine cucumber grows 12 to 16 inches or more in length The young fruits are used very largely for pickles. Vines are strong growers, fruit produced in great abundance making it one of the most productive varieties in cultivation. **Pkt. 5c, oz. 20c, 1-4 lb. 60c, lb. $2.00.**

**MEDIUM GREEN**—Grown for slicing or pickles. Long and crisp. **Pkt. 5c, oz. 15c, 1-4 lb. 50c, lb $1.75.**

**EVERBEARING**—Not only a very early sort, but also extremely prolific. If the fruits are kept gathered, vines will continue in bearing throughout the season. The fruits, of medium size and rich, dark green color, average from four to five inches in length, by one inch and a half in diameter. A desirable sort for small pickles. **Pkt. 5c, oz. 15c, 1-4 lb. 50c, lb. $1.75.**

MAY'S FAVORITE PICKLING.

**MAY'S FAVORITE PICKLING**—(See Cut.) **The best of all cucumbers for pickling purposes.** For years we experimented with all the varieties of different cucumbers recommended for pickling purposes, testing them by the side of our "Favorite," but found none that equaled it either in yield or quality. **In form it is solid and rather thick, flesh is crisp and exceedingly tender although very firm.** Taken all together it is about as near perfection for pickling purposes as a cucumber can be. We heartily recommend it to all our friends who desire a choice pickle, and know that thousands of our patrons who purchase it each year will gladly endorse our recommendation. **Pkt. 10c, oz. 20c, 1-4 lb 60c, lb. $2.00**

**ARLINGTON WHITE SPINE**—Very early, color deep green. **Pkt. 5c, oz. 20c, 1-4 lb. 60c, lb. $2.00.**

**BOSTON PICKLING** — Color bright green. **Pkt. 5c, oz. 20c, 1-4 lb. 60c, lb. $2.00.**

**CHICAGO OR WESTERFIELD PICKLING**—**Pkt. 5c. oz. 20c, 1-4 lb 60c, lb. $2.00.**

**EARLY CLUSTER**—Fine for table or pickles. **Pkt. 5c, oz. 15c, 1-4 lb. 50c, lb. $1 75.**

**EARLY FRAME**—Medium size, fine for table use. **Pkt. 5c, oz. 15c, 1-4 lb. 50c, lb. $1.75.**

**JERSEY PICKLING IMPROVED**—An improved strain of the old Jersey Pickle. Produces cucumbers uniform in size, with thin skin, white flesh and few seeds. Very crisp and tender. A true everbearing variety. **Pkt. 5c, oz. 20c, 1-4 lb. 60c, lb. $2.00**

**LIVINGSTON'S EVERGREEN**—Very early and prolific. Retains its fine green color at all stages of growth. **Pkt. 5c, oz. 15c, 1-4 lb. 50c, lb. $1.75.**

**SIBERIAN**—Straight and smooth, five inches long. **Pkt. 5c, oz. 15c, 1-4 lb. 50c, lb $1 75.**

**WHITE PEARL**—Plants of close compact growth, bearing a large number of medium sized, smooth fruits, of a clear, pearly white color. The skin is thin and tender, and the fruits are of exceedingly mild and delicate flavor. **Pkt. 5c, oz. 15c, 1-4 lb. 50c, lb. $1.50.**

**WHITE SPINE IMPROVED**—Very uniform in size, very productive, crisp and of fine flavor. **Pkt. 5c, oz. 20c, 1-4 lb. 60c, lb. $2.00.**

**WHITE SPINE, EXTRA LONG**—A dark green, handsome sort, often attaining a length of 12 inches; straight and attractive in shape. Makes a hard, brittle pickle when small. A little later than the above. **Pkt. 5c, oz. 20c, 1-4 lb. 60c, lb. $2.00.**

**WEST INDIA GHERKIN**—A very prolific small-fruited variety, used exclusively for pickling. The fruits are two to three inches in length, thick, rounded form, closely covered with spines. Vines rather slender, with small foliage but of strong growth. **Pkt. 5c, oz. 20c, 1-4 lb. 60c, lb. $2.00.**

## Chicory.

Extensively used to adulterate coffee. The culture is the same as for carrots. The blanched leaves are used by some for salad.

**LARGE ROOTED OR COFFEE.** The best kind. **Pkt. 5c, oz. 10c, 1-4 lb. 25c.**

## Corn Salad.

German—Stecksalat. Spanish—Machae Velerianilla. French—Mache.

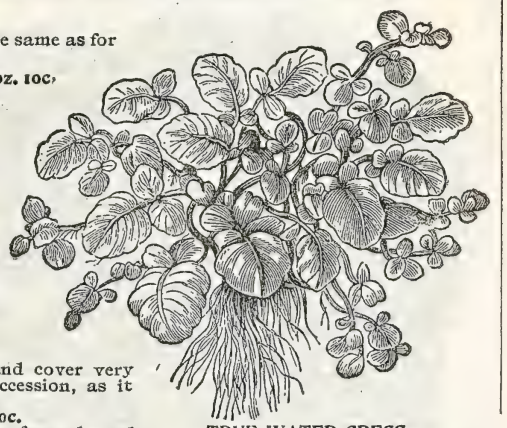
**LARGE SEEDED.** Broad leaved. **Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 60c.**
**SMALL SEEDED. Pkt. 5c, oz. 10c, 1-4 lb. 20c. lb 60c.**

## Collards.

**TRUE SOUTHERN OR CREOLE. Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 80c.**
**GEORGIA. Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 75c.**

## Cress.

A well-known pungent salad. Sow thick and cover very slightly, at frequent intervals, to keep up a succession, as it soon runs to seed.



TRUE WATER CRESS.

WHITE CURLED ENDIVE.

**DOUBLE CURLED.** Extensively used as a small salad. **Pkt. 5c, oz 10c, 1-4 lb. 20c, lb. 50c.**
**WATER CRESS** (See cut.) This is a well-known, hardy perennial. Sow along margins of ponds and streams. **Pkt. 10c, oz. 35c, 1-4 lb. $1.00.**

## Endive.

German—Endiven. French—Chicoree Endive.
Swedish—Cikorie. Spanish—Endivia.

This plant furnishes an attractive and appetizing salad for the fall and winter months, or by repeated sowings a supply may be had nearly all the year round.

**BROAD LEAVED BATAVIAN.** Used in soups and salads. Leaves broad, thick, plain or slightly wrinkled. **Pkt. 5c, oz 15c, 1-4 lb, 40c, lb. $1.25.**
**GERMAN GREEN CURLED.** Handsomely curled, fine quality, a desirable sort. **Pkt. 5c, oz. 20c, 1-4 lb. 40c, lb. $1.25.**
**GREEN CURLED.** Very hardy, with curled, dark green leaves. **Pkt. 5c, oz. 15c, 1-4 lb. 40c, lb. $1.25.**
**WHITE CURLED.** (See cut.) Resembles the green curled, except in color. **Pkt. 5c, oz. 15c, 1-4 lb 40c, lb. $1.25.**

## Egg Plant.

German—Eierpflanze. French—Aubergine.
Spanish—Berengine. **1 oz. for 1000 plants.**

CULTURE.—The Egg Plant will thrive well in any good garden soil; succeeds best in a deep, warm, rich soil, and full exposure to the sun. Sow in hotbed very early in the spring; transplant two and one-half feet apart each way, after weather becomes settled and warm. If no hotbed is at hand, plants may be started in pots or boxes.

**BLACK PEKIN.** The fruit is jet black, fine grained and of delicate flavor. **Pkt. 10c, oz. 20c, 1-4 lb. 60c, lb. $2.00.**

KOHL RABI.

**EARLY LONG PURPLE.** Smaller than the New York, very early, fruit long, dark rich purple. **Pkt. 5c, oz. 20c, 1-4 lb. 60c, lb. $2 00.**

**NEW WHITE PEARL.** (See cut.) This variety introduced from Georgia is a distinct and decided sort. The fruit is very large, fine grained, of a superior flavor. It is a pure creamy white with tinge of green near the stem. **Pkt 10c, oz 25c.**

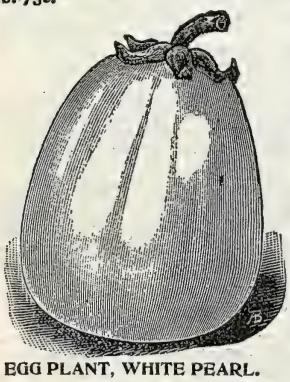
**NEW YORK IMPROVED SPINELESS.** Large, round, dark purple, very productive; is the main sort used for market and family use. **Pkt. 10c, oz. 25c, 1-4 lb. 75c. lb. $2.50.**

## Kale or Borecole.

German—Blatter Kohl. Spanish—Breton.
French—Chou Vert. Swedish—Motkal.

CULTURE. The Kales are more hardy than cabbage, make excellent greens for winter and spring use, and are improved by frost. Sow from May to June in well prepared soil, covering it thinly and evenly, and cultivate the same as cabbage. **Half an ounce will sow 75 feet of drill.**

**DWARF GERMAN.** Green curled, very hardy. **Pkt. 5c, oz. 10c, 1-4 lb. 30c, lb. $1.00.**
**DWARF GREEN CURLED SCOTCH.** (See cut.) A low growing sort with finely curled leaves of a deep green. **Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 75c.**



EGG PLANT, WHITE PEARL.

**TALL SCOTCH.** Foliage deeply fringed, color, rich green, grows about 30 inches high, with an abundance of dark green leaves, which are densely curled and cut, forming a very beautiful plant. **Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 75c.**

## Kohl Rabi.

German—Kohl Rabi. Spanish—Colde nabo.
French—Cho Rave.

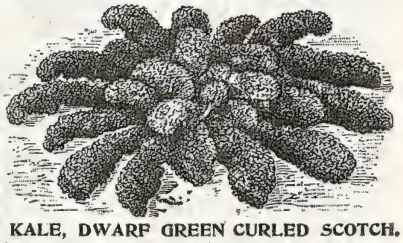
**EARLY WHITE VIENNA.** Bulbs highly esteemed by market gardeners. **Pkt. 5c, oz. 20c, 1-4 lb. 40c, lb. $1.50.**
**EARLY PURPLE.** Very similar to the last, except in color, which is a bright purple. **Pkt. 5c, oz. 15c, 1-4 lb. 40c, lb. $1.50**
**LARGE GREEN.** (See cut.) A late variety, largely grown for feeding stock. Bulbs often weigh seven or eight pounds each. **Pkt. 5c, oz. 10c, 1-4 lb. 40c, lb $1.50.**
**LARGE PURPLE.** An extra large variety, used extensively for feeding cattle and sheep in winter. **Pkt. 5c, oz. 10c, 1-4 lb. 40c, lb. $1.50**

## Leek.

German—Lauch.
Swedish—Purjolok.
French—Poireau.
Spanish—Puerro.

**CULTURE Same as for onions.**

**AMERICAN BROAD FLAG.** (See cut.) This variety is more largely used in this country than any other. Plants strong, with broad leaves. **Pkt. 5c, oz 10c, 1-4 lb. 30c, lb. $1 00**



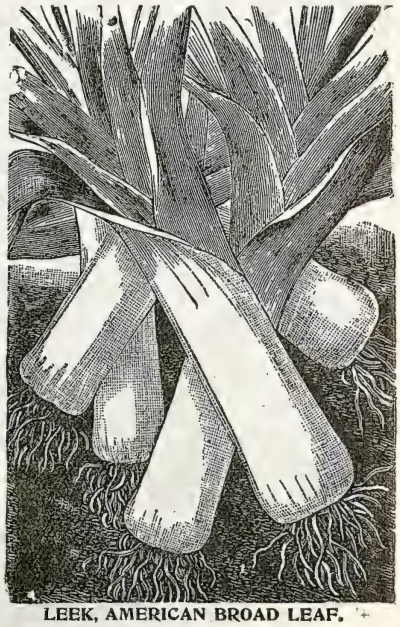
KALE, DWARF GREEN CURLED SCOTCH.

**LARGE CARENTAN.** A most excellent hardy variety. We recommend it as being of very superior quality. Grows to a large size and remains a long time in fine condition. **Pkt. 5c, oz. 10c, 1-4 lb. 30c, lb. $1.00.**
**MUSSELBURGH.** One of the oldest and best varieties in cultivation, hardy and fine for winter use. **Pkt. 5c, oz. 15c, 1-4 lb. 40c, lb. $.125.**
**LONDON FLAG.** A large variety twice the size of the ordinary leek and much handsomer. Stems short, bulbs large, of a very mild and agreeable flavor; extra hardy and a fine keeper. **Pkt. 5c, oz. 15c, 1-4 lb. 30c. lb. $1.00.**

**LARGE ROUEN.** The best for forcing; grows to an immense size. Stem very large but comparatively short; the leaf is very broad, covered with whitish bloom. Stands a long time in condition for use. **Pkt. 5c, oz. 15c, 1-4 lb. 40c, lb $1.25.**

**MAY'S EXHIBITION. For illustration and description see specialties.**

**Chives.** These are perfectly hardy plants, resembling small onions or garlic in growth. They start to grow very early in the spring, and the small tender leaves are highly esteemed for flavoring many dishes. **Pkt. 25c.**



LEEK, AMERICAN BROAD LEAF.

## SEEDS OF HERBS.

| | | | |
|---|---|---|---|
| Anise | pkt. 5, oz. 20 | Lavender | pkt. 5, oz. 40 |
| Balm | pkt. 5, oz. 25 | Marjoram, Sweet | pkt. 5, oz. 20 |
| Basil, Sweet | pkt. 5, oz. 20 | Rosemary | pkt. 5, oz. 40 |
| Borage | pkt. 5, oz. 20 | Rue | pkt. 5, oz. 15 |
| Caraway | pkt. 5, oz. 10 | Sage, Broad Leaf | pkt. 5, oz. 20 |
| Coriander | pkt. 5, oz. 10 | Saffron | pkt. 5, oz. 20 |
| Dill | pkt. 5, oz. 10 | Savory, Summer | pkt. 5, oz. 15 |
| Fennel | pkt. 5, oz. 10 | Thyme | pkt. 5 oz. 30 |
| Horehound | pkt. 5, oz. 25 | Tansy | pkt. 5, oz. 50 |
| Hyssop | pkt. 5, oz. 30 | Wormwood | pkt. 5, oz. 25 |

German—Lattich. French—Laitue

# LETTUCE.

Swedish—Salad. Spanish—Lechuga.

The most used of all salads, is of easy culture, requires rich, moist soil, and clean cultivation, on which depend its appearance, tenderness and flavor. For early spring use, sow in a seed bed in September or October, and protect through the winter in cold frames, or in the South with leaves or litter, or sow in a hotbed in early spring; as soon as the ground can be well worked transplant in good, rich ground to rows 18 inches apart and 8 inches in the rows. For a later supply plant every two weeks from the middle of April until July, choosing varieties according to their heat resistance. Sow in drills ¼ inch deep, 18 inches apart, and thin to 12 inches apart in the rows.

**PRICES QUOTED** on lettuce include the prepayment of postage by us. If wanted by express or freight, deduct 10 cents per pound. By express or freight always means purchaser pays transportation charges. **1 oz. of seed for 2,500 plants.**

MAY'S EARLY CHALLENGE.

**EARLY CHALLENGE**—(See Cut.) **A splendid head variety for home garden or marketing.** As a head lettuce this is one of the finest we have ever seen. The leaves are of a large size, and form immense heads of a beautiful apple green shade. It matures quickly and is adapted for shipping purposes, as it retains its bright, fresh appearance longer than almost any other variety, and does not become tasteless or bitter with age as is commonly the case with many kinds of lettuce. This is a variety that is certain to please any one who desires a head lettuce of the finest quality. **Pkt. 10c, oz 15c, 1-4 lb. 30c, lb $1.00.**

**MAXIMUM**—(See Cut.) A strong growing and large heading, late summer sort. The plants are of strong, vigorous growth, the large outer leaves covering a circle fully 15 inches across. The leaves are a rich, bright green and grow well up around the large globular heads. They will measure 8 inches and over, and are tightly folded so that the interior portion is beautifully blanched, crisp, tender, with a mild, sweet flavor. **Pkt. 5c, oz. 15c, 1-4 lb 40c, lb. $1.50.**

**AMERICAN GATHERING**—Twisted and curled leaves; fine for early or late sowing. **Pkt. 5c. oz. 10c, 1-4 lb. 25c, lb. 70c.**

**BIG BOSTON**—Heads large, solid; fine for open ground or forcing. **Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 80c.**

**BUTTERCUP**—Plants of good size, with numerous smooth, round leaves, of a clear yellow shade, crisp and tender. **Pkt 5c, oz. 10c, 1-4 lb. 25c, lb. 70c.**

**DEACON**—Heads solid, plants medium size, with few outer leaves. **Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb 70c.**

**DENVER MARKET**—Large, solid heads; early, for forcing or open ground. **Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 70c.**

**DRUMHEAD CABBAGE**—Also known as "Royal Cabbage" in some sections. **Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 70c.**

**GRAND RAPIDS**—Valuable for Greenhouse forcing. The plant is upright, forms a loose head or cluster of large, light, yellowish green leaves, slightly crimped. **Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 70c.**

**DETROIT MARKET**—Forcing. A variety quite similar to the Iceberg except in color, which is a light, golden yellow, but will stand higher heat and so can be crowded to maturity a little quicker. Very sure and compact heading sort; will stand a long time before running to seed. **Pkt. 5c, oz. 15c, 1-4 lb. 40c, lb. $1.50.**

**GOLDEN GATE**—Desirable for its large, magnificent, creamy yellow heads. **Pkt. 5c, oz. 15c, 1-4 lb. 40c, lb $1.50.**

**HANSON'S**—Heads large, solid, tender and crisp. **Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 70c.**

**ICEBERG**—Large, handsome heads of fine flavor, the light green, curly outside leaves have slightly reddish edges. The inside leaves are strongly arched, making a solid well blanched head. **Pkt. 5c, oz. 10c, 1.4 lb. 25c, lb. 70c.**

**MAMMOTH BUTTER**—(Black Seed.) Similar to Tennis Ball, heads larger and of finer quality. **Pkt. 5c, oz. 10c, 1.4 lb. 30c, lb. $1.00.**

**NANSEN'S NORTH POLE**—A solid sure heading variety, furnishing nicely blanched, crisp, buttery lettuce, early in the spring, either in the open ground or in cold frames; also desirable for sowing in August and September for fall supply. Equally as sure heading as the Deacon, bleaches to a beautiful, golden yellow tint, of similar quality, but fully a week to 10 days earlier. The plants are compact, producing solid well folded heads 6 inches in diameter. The leaves are crisp, tender, and of a mild sweet flavor. **Pkt. 5c, oz. 15c, 1-4 lb. 40c, lb. $1.50.**

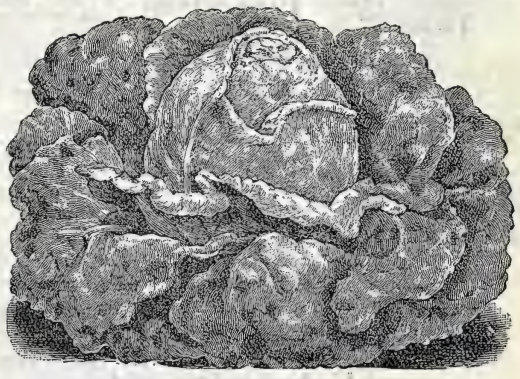
**MAY'S MARKET GARDENER**—(Finest Forcing.) For illustration and description see list of specialties.

**NEW YORK IMPROVED**—A standard sort, heads large, slow to run to seed. **Pkt. 5c, oz. 10c, 1-4 lb. 30c, lb. $1.00.**

**PASSION BLACK SEED**—A Drum Head sort, very tender and crisp. **Pkt. 5c, oz. 10c, 1-4 lb 25c, lb 70c.**

**PHILADELPHIA BUTTER**—Fine large heads. **Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 70c.**

**PRIZE HEAD**—Large loose heads, tinged with brown. **Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 70c.**



MAXIMUM.

**SIMPSON EARLY CURLED**—(White Seed.) A standard early sort, very tender. **Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 70c.**

**SIMPSON**—(Black Seed.) A superior variety; large and of light color. **Pkt 5c, oz. 10, 1-4 lb. 25c, lb. 70c.**

**TENNIS BALL**—(Black Seed.) **Pkt. 5c, oz. 10c, 1-4 lb 25c, lb. 70c.**

**TENNIS BALL**—(White Seed.) **Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 70c.**

ALL CREAM.

**SALAMANDER**—A bright green and attractive sort. Heads solid, composed of thick and very tender leaves. **Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 70c.**

**WHITE CABBAGE**—(Forcing.) Produces fine, greenish white, large heads. **Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 70c.**

**ALL CREAM**—(See Cut.) Few, if any, of the varieties have had such an immense sale as our All Cream since its introduction. All Cream is a most desirable cabbage lettuce; for beauty of foliage, tenderness and delicacy of flavor it is unsurpassed. The heads are of good size, and the rich, creamy color of the leaves never fails to attract attention. **Pkt. 10c, oz. 15c, 1-4 lb. 40c, lb. $1.25.**

**EARLY MARKET**—For forcing this is unsurpassed. It is the earliest curled lettuce that we know of, and just the thing for private use and gardeners who want a splendid forcing variety. It may be used when very young and is exceedingly sweet and well flavored. **Pkt 10c, oz. 15c, 1-4 lb. 30c, lb. $1.00**

**WONDERFUL**—An all seasons sort. The largest heading lettuce we have ever seen. It has been grown to weigh six pounds to the head, and frequentiy two or three pounds. The heart is solid, of bright light green color, very tender and crisp, without the slightest trace of bitterness found in most sorts. As an example of its standing properties, perfect heads were cut from the same bed for upwards of seven weeks. **Pkt. 5c, oz. 10c, 1.4 lb. 30c, lb. $1.00.**

## COS LETTUCE.

**EARLY WHITE SELF-FOLDING**—Grows to very large size, producing long, pointed, compact bunches. **Pkt. 5c. oz. 10c, 1-4 lb. 35c, lb. $1.25.**

**TRIANON**—The first of all the Cos; leaves when blanched are stiff like celery stalks, and can be eaten in the same manner. **Pkt. 5c, oz. 10c, 1-4 lb. 35c, lb. $1.25.**

# MUSK MELONS.

NORFOLK BUTTON.

German—Muskat-Melone. French—Melon Muscade. Spanish—Melon Muscatel. Swedish—Muskat Melon.
**1 oz. for 60 hills, 2 to 3 lbs. in hills to the acre.**

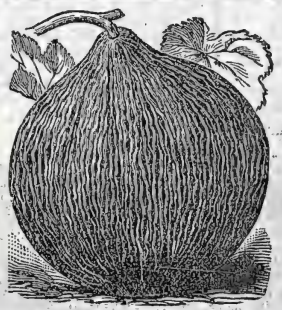
CULTURE—Select a light, sandy, rich soil, and after all dan er of frost is over and the ground has become warm and dry, plant in hills 4 to 5 feet apart each way, 6 to 12 seeds to the hill. When up and all danger of insects is past, pull out all but three plants. Cultivate until the vines cover the ground, and pinch the ends of the growing shoots to induce early fruiting. Ashes, lime, or even road dust is excellent to sift over the young plants when the dew is on to prevent the attack of insects. A few hills for early use may be had by sowing in hotbed on pieces of sod or in pots. The seeds may also be started out of doors, under hand frames or glasses. The quality of melons of all varieties is largely dependent upon conditions of growth and ripening. Unhealthy vines or unfavorable weather produces fruit of comparatively poor value.

**Prices quoted on musk melons include the prepayment of postage by us. If wanted by express, at purchaser's expense, deduct 10 cents per pound.**

DEFENDER.

**DEFENDER—Orange Flesh.** (See Cut.) Fruit medium size, oval in shape, slightly ribbed, covered with gray netting. The flesh is firm, fine grained, rich, deep yellow, darker than that of the Osage and of higher flavor. The flesh extends to the rind and retains its color and quality quite to the outer shell, which, though thin is very hard and firm, so that one can remove the edible portion with a spoon, leaving a rind no thicker than that of an orange. The vine is very vigorous and productive. **Pkt. 10c, oz. 20c, 1-4 lb. 50c, lb. $1.50.**

**NORFOLK BUTTON—Green Flesh.** (See Cut.) Extremely early, very productive. The fruit is of the Jenny Lind type, flattened at both stem and blossom ends, ribbed and heavily netted with a distinct nub or "button" growing out of the blossom end, as if the fruit had attempted to make a second growth. The flesh is uniformly sweet and melting. This extra growth is a peculiarity of the earliest ripening strain, as well as an indication of finest flavor, and is eagerly sought for by buyers. The flesh is uniformly sweet and melting. **Pkt. 10c, oz. 15c, 1-4 lb. 35c, lb. $1.25.**



WINTER PINEAPPLE.

**LONG ISLAND BEAUTY—Green Flesh.** (See Cut.) Fruits of large size, well flattened, heavily ribbed and netted. Of handsome appearance and fine quality, ripens as early and is similar to the Hackensack, but superior in appearance. **Pkt. 10c, oz. 20c, 1-4 lb. 60c, lb. $2.00.**

**MINNESOTA PERFECTION — Green Flesh.** (See Cut.) Of recent introduction, grows to an enormous size, single specimens weighing over 25 pounds. The flesh, which is exceedingly sweet is of a light green shade. The rind is tough, and stands shipping well. A desirable sort for private market use. **Pkt. 10c, oz. 20c, 1-4 lb. 50c, lb. $1.75.**

**MAY'S NETTED GEM—**A favorite everywhere. They ripen extra early, and grow to an average weight of one and a quarter pounds. The flesh is thick, sweet, juicy, fine grained and of a light green color. Skin a deep green, and heavily ribbed and netted. **Pkt. 5c, oz. 10c, 1-4 lb. 30c, lb. $1.00.**

**PAUL ROSE—Orange Flesh.** A cross of the Osage with the Netted Gem. Size and shape is that of the Netted Gem; skin is heavily netted. The flesh is quite thick, of rich orange red color, ripening close to the rind, and in flavor is sweet and luscious. It ripens about two weeks earlier than the Osage. The thickness of its flesh and the firmness of its rind make it the best melon for shipping. The size of the fruits, which are of uniform shape is very convenient for packing in baskets. **Pkt. 5c, oz. 10c, 1-4 lb. 35c, lb. $1.25.**

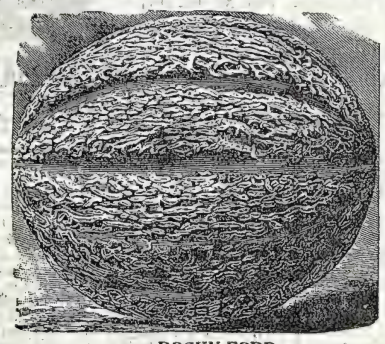
**WINTER PINEAPPLE—**(See Cut.) An extraordinary melon, which can be kept in perfect condition for months after being pulled. The melons are almost solid, and will weigh twice as much as other melons of same size. Unlike all other varieties it does not ripen on the vine, but should be picked before hard frost and placed in a cool cellar, where it will keep solid for months. When wanted for use bring to a warm room where they will ripen in a few days. **Pkt. 10c, oz. 25c, 1-4 lb. 75c, lb. $2.50.**

## Green Fleshed Melons.

| | Pkt. | oz. | 1-4 lb. | lb. |
|---|---|---|---|---|
| ACME OR BALTIMORE MARKET—Oblong. | 5c, | 10c, | 35c, | 1.25. |
| CITRON, EXTRA EARLY—Large, showy. | 5c, | 10c, | 30c, | 1.00. |
| HACKENSACK LARGE—A popular sort. | 5c, | 10c, | 35c, | 1.25. |
| HACKENSACK EXTRA EARLY—Ripens 10 days earlier than the Hackensack. | 5c, | 10c, | 40c, | 1.35. |
| JENNY LIND, EXTRA EARLY—Small. | 5c, | 10c, | 30c, | 1.00. |
| MONTREAL MARKET—Nearly round. | 5c, | 15c, | 50c, | 1.75. |
| NUTMEG GREEN—A standard sort. | 5c, | 10c, | 30c, | 1.00. |
| TEXAS CANNON BALL—Round, netted. | 5c, | 10c, | 30c, | 1.00. |

## Salmon Fleshed Sorts.

| | Pkt. | oz. | 1-4 lb. | lb. |
|---|---|---|---|---|
| CANTALOUPE, LONG YELLOW—Late. | 5c, | 10c, | 30c, | $1.00. |
| CANTALOUPE, ROUND YELLOW— | 5c, | 10c, | 30c, | 1.00. |
| EMERALD GEM—Smooth, free from netting. | 5c, | 15c, | 45c, | 1.50. |
| OSAGE OR MILLERS CREAM—Cocoanut shaped, light green netted skin. | 5c, | 10c, | 35c, | $1.25. |
| PRINCESS OR PERFECTION—Nutmeg shape. | 5c, | 10c, | 30c, | 1.00. |



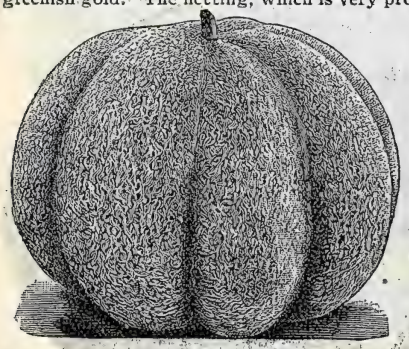
ROCKY FORD.

**SURPRISE—**This old variety is still highly esteemed. Fruit nearly round, but slightly lobed and netted; skin yellowish white; flesh deep salmon color, very sweet and highly flavored. **Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 75c.**

**TIP TOP — Yellow Flesh.** A fine round melon; sweet, juicy and delicious. The flesh is firm but not hard, and is edible, almost to the rind. The vine is of vigorous growth and very productive. Melons medium to large size. One of the best of the yellow fleshed sort. **Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 75c.**

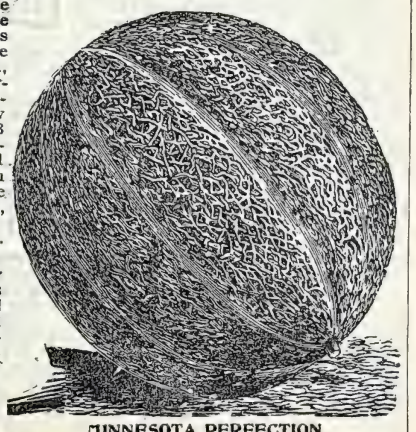
**NETTED GEM, ROCKY FORD**—(Selected Stock.) (See Cut.) **Seed saved from melons all of one size. The sweet and luscious fruit that has become world famous for its flavor. As sweet as sugar, as juicy as an orange and as delicious as a peach, the acme of perfection in the melon line.** The Rocky Ford Netted Gem is an improved variety of the nutmeg type, of small size, averaging five or six inches in length some specimens being round, others slightly oval. The ground color of the skin when ripe, of a rich, greenish gold. The netting, which is very prominent, and light in color, renders the outer appearance **very attractive.** The flesh is very deep, ripening clear to the rind, the seed cavity small. Many carloads have been shipped in the past 3 years to New York, Philadelphia, Boston, Baltimore, Chicago, Detroit, Cleveland, Cincinnati and other Eastern markets. All of the leading hotels in the country will buy no other melons while the Rocky Fords are in the market. **Pkt. 10c, oz. 15c, 1-4 lb. 35c, lb. $1.25.**

**ROCKY FORD**—Selected from general run of melons. **Pkt. 5c, oz. 10c, 1-4 lb. 30c, lb. $1.00.**



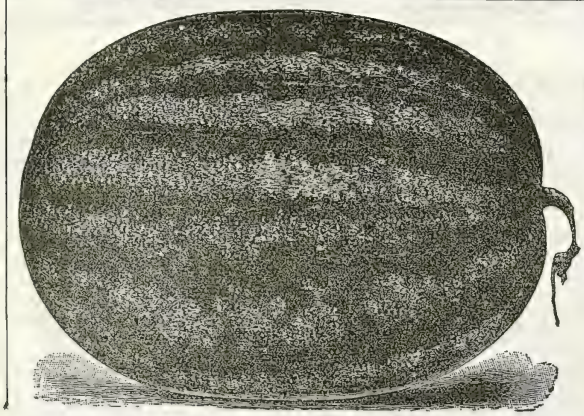
LONG ISLAND BEAUTY.

**MAY'S GOLDEN TRIUMPH—This still heads our list, for we have as yet to find a melon that surpasses it in flavor, and that is what is really most desired in melons for home use. Good size, flesh sweet and tender, very prolific.** Should be grown extensively for the restaurants, as it always brings the highest prices on account of its beautiful color when sliced. The flesh is thick, sweet and juicy; color a deep pinkish orange, and very handsome. **Pkt. 5c, oz. 10c, 1-4 lb. 30c, lb. $1.00.**

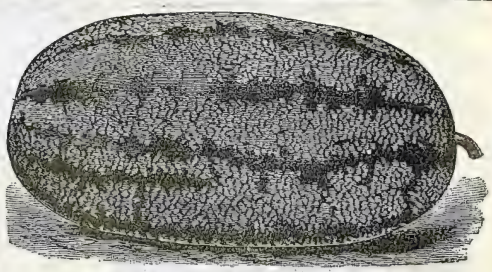


MINNESOTA PERFECTION.

# WATER MELONS.



**Prices quoted on Water Melons include the prepayment of postage by us. If wanted by express or freight at purchaser's expense, deduct 10 cents per pound. One ounce of seed for 30 hills, four to five pounds in hills for one acre.**



McIVERS WONDERFUL SUGAR.

German—Wasser-Melone. French—Melon d'Eau.

## Culture.

Swedish—Vatten-Melon. Spanish—Sandia.

WATER MELONS—These require a rich, but rather sandy soil for the best results, and give the largest returns in warm latitudes, although of late years they are being extensively grown in the middle and northern states for home markets. Give the same care as musk melons, but have the hills at least double the distance apart.



MAY'S ICE KING

**McIVERS WONDERFUL SUGAR**—(See Cut.) This is of southern origin. It excels both in beauty and lusciousness being exceedingly sweet and juicy. The melons attain great weight and size; oblong in shape, the rind showing broad stripes of light and dark green. The flesh is a rosy pink, perfectly solid and stringless from rind to core, and of delicious flavor. **Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 75c.**

**SAFEGUARD**—(See Cut.) **The earliest large variety ever introduced. Without doubt the best melon for early marketing.** For yield and earliness combined, no variety we have ever grown can equal Safeguard. It is not so productive as our Ice King, but on account of its earliness is a much better variety for gardeners who grow for the early markets. In addition to its earliness and yield, the tough skin enables it to withstand almost any amount of rough handling. **Our illustration is a correct representation of this splendid melon and shows the depth of the skin, which is not thick but exceedingly tough. The flesh is a rich pink, crisp, tender and very sweet.** For home use it is a most desirable variety, as it will furnish melons earlier in the season than any other sort. **You will make a mistake if you do not give it a place in your garden this year. Pkt. 10c, oz. 15c, 1-4 lb. 30c, lb. $1.00.**

**ALABAMA SWEETS**—A grand new shipping melon equal to Icing, Kleckley, and Florida Favorite in luscious quality; long, dark green, continuous bearer. **Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 75c.**

**BLACK DIAMOND**—Dark green, tough skin; large size, round. **Pkt. 5c, oz. 10c, 1-4 lb 20c, lb. 60c.**

**BLACK SPANISH**—Sweet and luscious. **Pkt 5c, oz. 10c, 1-4 lb. 20c, lb. 60c.**

**BRADFORD**—A large, long sort. Color dark green, flesh bright red, tender and luscious. **Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 75c.**

**CITRON**—For preserving. **Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 50c.**

**COLE'S EARLY**—Medium size, flesh deep red. **Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 60c.**

**CUBAN QUEEN**—Large size, oval. Fruit nearly round, mottled and striped with light and dark green. A Standard sort for shipping. **Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 60c.**

**FORDHOOK EARLY—The earliest, large fruited melon in cultivation.** The fruits are of good size, rather short and blocky in form, with large diameter. The skin is dark green occasionally striped lighter green The flesh is bright red, crisp, sweet and of splendid quality. Rind quite thin, but skin tough, making an excellent shipping variety. **Pkt. 5c, oz. 10c, 1-4 lb. 25c. lb. 75c.**

**ICEBERG**——In general shape, size and appearance, it is similar to the well known Kolb's Gem, but is distinctly darker, the skin where the melon rests on the ground is rich yellow instead of white. A good shipper. **Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 75c.**

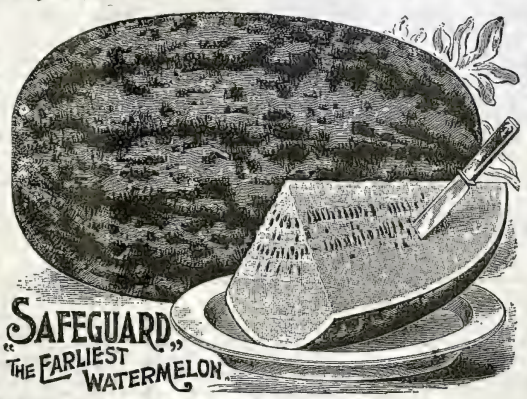
**HOOSIER KING**—(See Cut.) A large oblong sort, with skin striped dark green. The flesh is brilliant red, very solid, sweet and luscious; the rind is thin but tough, making it a good shipping melon. The beautiful markings of the "Hoosier King," together with desirable shape, make it an attractive and saleable melon. **Pkt. 5c. oz. 10c, 1-4 lb. 30c, lb. $1.00.**

**KENTUCKY WONDER**—Large, oblong; dark green beautifully marked, crisp, rich, sugary. **Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb 75c.**

**KLECKLEY SWEETS**—The vines are strong and vigorous and the fruits grow uniformly to quite a large size; oblong in form, 18 to 20 inches long and 10 to 12 inches in diameter, rather tapering at the ends. The skin is a rich dark green, while the flesh is bright scarlet, ripening close to the skin, the rind being only about half an inch in thickness. The seeds are white and rather long in shape, being in two rows lying close to the rind, they leave a very large, solid heart which does not crack open when ripe, as is the case in many large melons. The rich, bright, scarlet flesh is crisp, sugary, and melting to the highest degree, being entirely free from any stringiness. The rich coloring of the flesh together with its luscious sweetness combine to make it **a desirable variety for cultivation. Pkt. 5c, oz. 10c, 1-4 lb. 30c, lb. $1.00.**

**MAY'S ICE KING—One of the best flavored variety ever introduced. The melon for all sections. The best shipper and most productive variety ever offered.** Grows to a good size; skin not thick, but exceedingly tough, and will stand almost any amount of rough usage, and therefore valuable for the large growers. The meat is a rich scarlet, tender, sweet and juicy. **Pkt. 10c, oz. 15c, 1-4 lb. 30c, lb. $1.00.**

**SWEET HEART—A splendid new sort that will keep in first class condition longer than any variety.** Vine vigorous and productive, ripening its fruit early. Fruit large, oval, very heavy, uniformly mottled light and very light green. Rind thin but firm. Flesh bright red, firm, solid but very tender, melting and sweet. It is a good melon for shipping to distant markets, as its size and quality invariably bring a good price. **We offer carefully selected strain of this popular variety. Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 75c.**

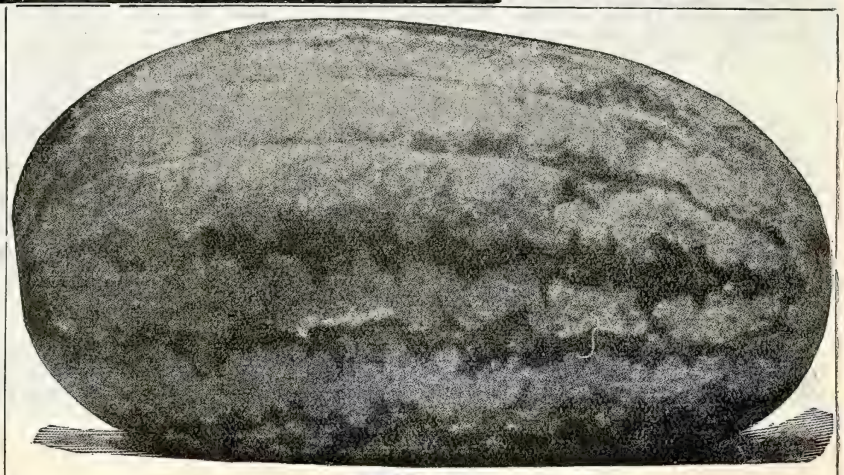



**TRIUMPH GIRARDEAU**—A southern variety which has become very popular with shippers. The fruit is uniformly large, nearly round, dark green, indistinctly striped with a lighter shade; rind thin and firm, making it an excellent shipper; flesh bright red and of excellent quality. **Pkt. 5c, oz. 10c, 1-4c, lb. 25c, lb. 75c.**

**DIXIE**—A decided popular melon. A cross between the Kolb's Gem and the old reliable Mountain Sweet. It surpasses the Kolb's Gem as a long distance shipping melon, while it fully equals the Mountain Sweet in its excellent flavor, and is ten to twelve days earlier than either. In shape about one-third longer than thick; color of skin dark green and beautifully striped; rind thin, but remarkably hard; flesh a bright scarlet, sweet and juicy. A strong, vigorous grower, and exceedingly productive, making it a fine melon for the home market or garden. **Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 00c.**

**We can also supply the following well known standard sorts.**

| | Pkt. | oz. | 1-4 lb. | lb. |
|---|---|---|---|---|
| **DUKE JONES**—Large, handsome. | 5c, | 10c, | 20c, | 60c. |
| **GEORGIA RATTLESNAKE**—Oblong. | 5c, | 10c, | 25c, | 75c. |
| **GRAY MONARCH**—Very large, long. | 5c, | 10c, | 25c, | 75c. |
| **ICE CREAM OR PEERLESS**—Medium size. | 5c, | 10c, | 20c, | 60c. |
| **ICING DARK**—Solid, skin dark green. | 5c, | 10c, | 20c, | 60c. |
| **ICING LIGHT**—Round, flesh pink. | 5c, | 10c, | 20c, | 60c. |
| **IRON CLAD**—Long, very large. | 5c, | 10c, | 20c, | 60c. |
| **JONE'S JUMBO**—Splendid shipper. | 5c, | 10c, | 20c, | 60c. |
| **KOLB'S GEM**—Large, intermediate. | 5c, | 10c, | 20c, | 50c. |
| **PHINNEY'S EARLY**—Oblong, medium size. | 5c, | 10c, | 20c, | 60c. |
| **PRIDE OF GEORGIA**—Round, large, crisp. | 5c, | 10c, | 20c, | 60c. |
| **STOKE'S EARLY**—Round, dark green. | 5c, | 10c, | 20c, | 60c. |
| **VICK'S EARLY**—Oblong solid and sweet. | 5c, | 10c, | 20c, | 60c. |



HOOSIER KING.

Okra, Pekin Mammoth Long Pod.

**Prices quoted on this page include the prepayment of postage by us. If wanted by express or freight at purchaser's expense, deduct 10 cents per pound.**

## Mushroom.

**Culture**—The Mushroom is an edible fungus of a white color, changing to brown when old. The gills are loose, of pinkish red, changing to liver color. It produces no seed, but instead there is developed a white, fibrous substance in broken threads called spawn, which is developed and preserved in horse manure, pressed in the form of bricks. Thus prepared, it will retain its vitality for years. Mushrooms can be grown in cellars, in sheds, in hot beds or sometimes in the open air, the great essential being a uniform degree of temperature and moisture. Fermenting horse manure at a temperature of about 70 degrees, mixed with an equal weight of fresh sod loam, is made into beds the size required and 8 to 12 inches deep. See that the bed is packed very solid and even. In this bed plant the broken pieces of spawn 6 inches apart, cover the whole with 2 inches of light soil and protect from cold and rain. One brick will plant 8 to 10 square feet of bed. The mushrooms will appear in about 6 weeks. Water sparingly with luke warm water.

ENGLISH—The best. **Per lb. 25c postpaid. By express or freight, 5 lb. lots or over, 10c per lb**

MUSHROOMS.

## Mustard.

German—Senf. Spanish—Mostaza.
Swedish—Senap. French—Moutarde.

**BLACK OR BROWN**—More pungent than the white. **Pkt. 5c, oz. 10c, lb. 40c.**
**OSTRICH PLUME**—Plants are of vigorous growth; leaves dark green, curled like parsley; fine for garnishing. **Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 75c.**
**WHITE OR YELLOW—Pkt. 5c, oz 10c, lb. 40c.**
**SOUTHERN CURLED—Pkt. 5c, oz. 10c, 1-4 lb 20c, lb. 50c.**

## Nasturtium.

German—Nasturtium. French—
Spanish—Maraneula. Capucine.

**TALL MIXED—Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 50c.**
**DWARF MIXED—Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 60c.**

## Okra.

Spanish—Quibombo. French—Gomb.
German—Safran.

A vegetable that is extensively grown for its green pods, which are used in soups, stews, etc. Sow the seed thickly in rich ground about the middle of May, or when the ground has become warm, in drills 3 feet apart and 1 inch deep; thin out to 10 inches apart in the drills.

**PEKIN'S MAMMOTH LONG POD**—(See Cut.) Dwarf. **Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 60c.**
**TALL GREEN—Pkt. 5c, oz., 10c, 1-4 lb. 20c, lb. 50c.**
**DWARF GREEN—Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 50c.**
**Round Pod or White Velvet Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 60c.**

MAY'S NEW IMPERIAL.

## Onions, American Grown.

German—Zwiebel. French—Ognon.
Spanish—Cebolla.

**1 ounce for 100 feet of drill; 5 to 6 lbs. for 1 acre.**

CULTURE—For sets sow the seed as early as possible in the spring, very thickly in drills, using 60 to 80 pounds to the acre. As soon as the tops die off in summer remove them to a dry, airy place, and early in the following spring replant by placing the sets in shallow drills 12 inches apart and about 4 inches apart in the drills. Onions of a large size are obtained by this process early in the season. They may also be grown to full size during the first season by sowing thinly in drills 1 foot apart and about ¼ inch deep, in March or early in April, in strong land, well manured, and thinning them out to stand 3 or 4 inches apart in the drills. They delight in a strong, rich, deep, loamy soil, and succeed well if grown successive years on the same ground. By sowing onion seed in frames in February or March and transplanting in April, onions of immense size can be obtained. For this purpose the varieties Southport Globe (White, Yellow or Red) and Prizetaker are usually preferred.

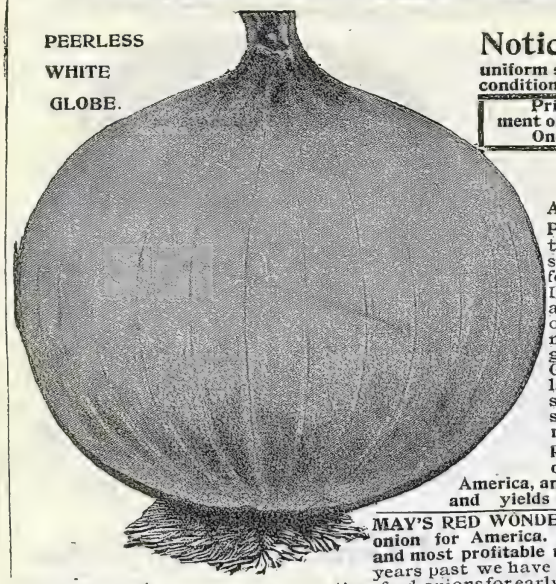
**May's New Imperial.** (See Cut.) **The market gardener's sort.** A wonderful variety of German origin introduced by us several years ago, and which at once sprung into popular favor, increasing each year, until now its sales are nearly as large as White Globe or Red Wethersfield. It is one of the handsomest and most profitable onions that can be grown, and certain to become a favorite with the market gardener on account of its size, solidity and splendid quality. The color of the skin is a light yellow, flesh solid and fine grained. **Yields of from 800 to 1,100 bushels per acre are frequently reported** We advise every one who has a garden to try our Imperial this year. **Pkt 10c, oz. 20c, 1-4 lb. 60c, lb. $2.00**

AUSTRALIAN BROWN.

**Australian Brown.** (See Cut.) Another year's trial of this valuable variety only strengthens and confirms the reports of its good qualities. It is undoubtedly the most valuable variety introduced in many years. It is extra early and a very long keeping onion. It was recently introduced into the United States from Australia, where it is the only variety planted. It is of medium size, of an almost globular form, and the color of the skin is a deep amber brown, distinct from all other onions. It is extremely early, and planted with Wethersfield proved to be nearly four weeks earlier. This onion is extremely hard and firm, and of fine flavor, and will keep almost indefinitely. The remarkable character of long keeping and its early ripening make Australian Brown a desirable sort to grow for profit for the market gardener, and it is equally valuable for the private planter. **Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 90c.**

**May's Prizetaker.** Grows uniform in shape, of a nearly perfect globe of immense size, measuring from 12 to 18 inches in circumference, weighing from 3 to 5 pounds each. Has now been several years on the market and is recognized as one of our best standard varieties. Rarely has any vegetable attained prominence more rapidly. It succeeds everywhere—east, west, north and south—and whether grown for home use or for marketing it gives universal satisfaction, yielding onions often 18 inches around and at the rate of 1,200 to 1,500 bushels per acre—often much more under exceptionally good culture. Its immense size and mildness of flavor delight everyone who raises it. Its immense size will recommend it to all, particularly when it is known that its keeping qualities are unexcelled. The exterior color is pale yellow and the interior clear sparkling white. It is easily grown, medium early in maturing, mild in flavor. By sowing early in a sheltered spot and transplanting the young plants it can be grown to an immense size. **Pkt. 5c, oz 15c, 1-4 lb. 35c, lb. $1.25.**

# SELECTED ONION SEED.



PEERLESS WHITE GLOBE.

**Notice.** It will pay you to sow NORTHERN GROWN SEED. It is acknowledged superior to seed grown in any other section. It will produce more first-class onions of uniform size and best quality per acre than any other seed. They will keep longer and in better condition than those grown from Eastern, Southern or Western seed.

Prices quoted on Onion Seed by the packet, ounce, 1-4 pound or pound include the prepayment of postage by us. If wanted by express or freight at purchaser's expense deduct 10c per lb. One ounce for 100 feet of drill, 5 or 6 pounds in drills to the acre.

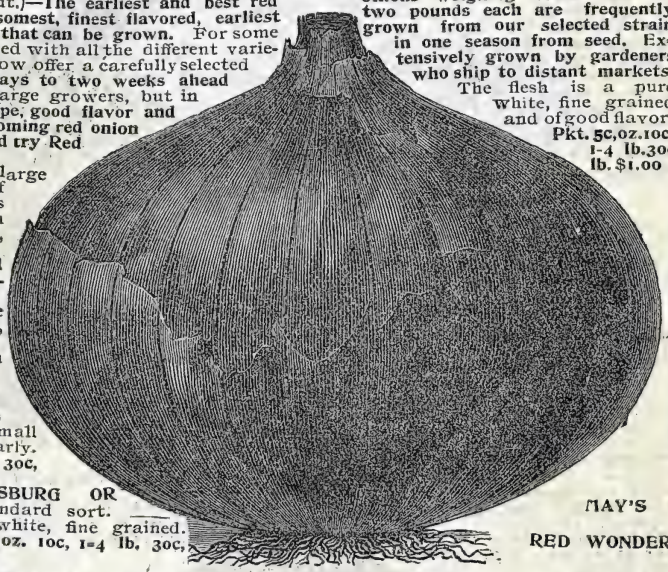
## American Sorts.

AUSTRALIAN YELLOW GLOBE—For illustration and description, see list of specialties.

PEERLESS WHITE GLOBE—(See Cut.) A carefully selected and improved strain of the old variety. By careful selection from year to year we have produced a new strain of the highest, purest and best type. The bulbs are of uniformly large size, perfect formation, fine grained and of fine texture, enabling it to keep the longest time possible. In addition to these good qualities it is one of the largest yielders ever grown, and always commands the highest price in the markets; one of the best for home use and one of the most profitable for market gardeners. It is invariably a heavy yielder, many crops from 600 to 1200 bushels per acre being reported. One of the largest growers in the country has this to say regarding this variety: "Your Peerless White Globe is the greatest onion ever grown. From a little over three quarters of an acre last year I harvested 1000 bushels of the finest onions I ever saw. There was not a single small one in the entire lot, and all the bulbs are large and smooth. They are so firm and hard they look as if they would keep for years." **Pkt. 10c, oz. 20c, 1-4 lb. 60c, lb. $2.00**

**RED WETHERSFIELD, MAY'S SELECTED—(Minnesota Grown.) We confidently recommend our strain of this favorite onion as the very best ever offered the gardeners of America, and believe we are fully justified in making this claim. It grows with unusual regularity, and yields of over 1,000 bushels per acre have been reported to us from various sections. Onions weighing from one to two pounds each are frequently grown from our selected strain in one season from seed. Extensively grown by gardeners who ship to distant markets. The flesh is a pure white, fine grained and of good flavor. Pkt. 5c, oz. 10c, 1-4 lb. 30c lb. $1.00**

**MAY'S RED WONDER—(See Cut.)—The earliest and best red onion for America. The handsomest, finest flavored, earliest and most profitable red variety that can be grown.** For some years past we have experimented with all the different varieties of red onions for early use, and now offer a carefully selected and improved strain that by actual tests **has proven to be from ten days to two weeks ahead of Red Wethersfield.** This alone will at once recommend it to the large growers, but in addition to this valuable point there are many others, **such as fine shape, good flavor and wonderful keeping qualities. These will immediately stamp it as the coming red onion for all sections of the country. Every gardener who grows onions should try Red Wonder. Pkt. 10c, oz. 20c, 1-4 lb. 50c, lb. $1.50.**



MAY'S RED WONDER.

**PERFECTION RED GLOBE—(Minnesota Grown.)** (See Cut.) Bulbs large size, firm and solid, enabling it to keep perfectly for a great length of time. The form is perfect, the handsome appearance of the bulbs alone enhancing their value in the market. Matures early, is an enormous yielder and produces very few small bulbs. **Pkt. 5c, oz. 15c, 1-4 lb. 50c, lb. $1.75.**

**RED GLOBE SOUTHPORT—(Minnesota Grown.)** The standard Red Globe; productive, splendid keeper. Attains great size; quality excellent. **Pkt. 5c, oz. 10c. 1-4 lb. 35c, lb. $1.25.**

**YELLOW GLOBE SOUTHPORT—(Minnesota Grown.)** Perfect globe shape; heavy cropper, excellent keeper. Attains a large size. **Pkt. 5c, oz 10c, 1-4 lb. 35c, lb. $1.20.**

**YELLOW DANVER'S FLAT**—Medium size; skin coppery yellow, flesh white. **Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 90.**

**YELLOW MICHIGAN OR OHIO GLOBE**—True globe shaped; thin necked and slightly flattened at the base. Color rich orange yellow. A good keeper. **Pkt. 5c, oz. 10c, 1-4 lb. 30c, lb. $1.00.**

**YELLOW GLOBE DANVERS —(Minnesota Grown.)** Bulbs large size; globe shaped, small neck, fine flavor, mild and early. **Pkt. 5c, oz. 10c, 1-4 lb. 30c, lb $1.00.**

**YELLOW STRASBURG OR DUTCH** — A standard sort. Flat, flesh white, fine grained. **Pkt. 5c, oz. 10c, 1-4 lb. 30c, lb. $1.00**

**WHITE PHILADELPHIA SILVER SKIN**—Largely grown for sets and pickling. **Pkt. 5c, oz. 15c, 1-4 lb. 50c, lb. $1.75.**

**WHITE GLOBE SOUTHPORT—(Minnesota Grown.)** Flesh firm, fine grained, of mild flavor and good keeping qualities. **Pkt. 5c, oz. 15c. 1-4 lb. 50c, lb. $1.75.**

**WHITE PEARL EXTRA EARLY**—Round, white, fine flavor. **Pkt. 5c, oz. 20c, 1-4 lb. 50c, lb. $1.75.**

**WHITE PORTUGAL**—Onions of mild flavor, largely used for growing sets and pickles. **Pkt. 5c, oz. 15c. 1-4 lb. 50c, lb. $1.75.**

**RED FLAT, EXTRA EARLY**—Bulbs medium size, very early and of mild flavor. **Pkt. 5c, oz. 10c, 1-4 lb. 30c, lb. $1.00.**

## Italian Sorts.

**WHITE BARLETTA**—Bulbs small, flattened on top, color waxy white; fine for pickling. **Pkt. 5c, oz. 15c, 1-4 lb. 50c, lb. $1.75.**

**BERMUDA RED**—Very early. **Pkt. 5c, oz. 20c, 1-4 lb. 60c, lb. $2.00.**

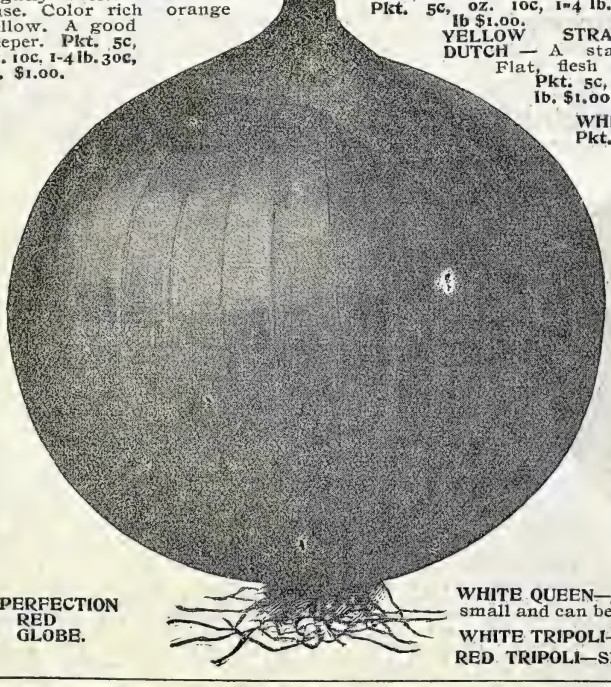
**BERMUDA WHITE—Pkt. 5c, oz. 20c, 1-4 lb. 65c, lb. $2.25.**

**ROCCA, GIANT YELLOW GLOBE—Pkt. 5c, oz. 10c, 1-4 lb. 35c, lb. $1.35.**

**ROCCA, GIANT RED—Pkt. 5c, oz. 10c, 1-4 lb. 35c, lb. $1.35.**

**WHITE MAMMOTH SILVER KING**—This is a mammoth in size and the largest in cultivation. The bulbs are very attractive in form, fine shaped, flattened but thick, with a silvery white skin. The flesh is snow white, fine grained, exceedingly mild and pleasant flavor. It matures quite early. **Pkt. 5c, oz. 15c, 1-4 lb. 50c, lb. $1 60.**

**WHITE PARIS PICKLING**—For early bunching, pickling or sets. The onions are of small size, solid, and of mild flavor. **Pkt. 5c, oz. 15c, 1-4 lb. 50c. lb. $1.75.**



PERFECTION RED GLOBE.

**WHITE QUEEN**—A very white skinned variety of especial value for pickling. They grow small and can be sown thickly. **Pkt. 5c, oz. 15c, 1-4 lb. 50c, lb. $1.75.**

**WHITE TRIPOLI**—Same as Red Tripoli, except in color. **Pkt. 5c, oz. 15c, 1-4 lb. 50c, lb, $1.50.**

**RED TRIPOLI**—Skin thick, flesh white, of mild flavor **Pkt. 5c, oz. 15c, 1-4 lb. 50c, lb. $1.50.**

**Prices quoted by the packet, ounce, quarter pound, pound, pint and quart include the prepayment of postage by us. If wanted by express deduct 10 cents per pound.**

**ONION.** PERFECT PICKLING, MAY'S—(See Cut.) Without doubt the best for pickling purposes. It grows rapidly but remains small and is of the mildest possible flavor, making the most desirable of all onions for this purpose. The onion is white, slightly flattened and exceedingly handsome, making it valuable for bunching to be sold at the market. It is free from the tough, coarse flesh so often found in small onions, and is of such a delicate flavor that it can be eaten raw with salt like radishes. **Pkt, 10c. oz. 15c, 1-4 lb 50c, lb. $1.75.**

## ONION SETS.

Onion sets should be planted out as soon as ground is in condition to work, early in the spring. They should be planted in rows one foot apart with sets 3 to 4 inches apart in the row. **Notice—Prices by the bushel are subject to fluctuation of the market, but the prices quoted on pints and quarts postpaid, will hold good throughout the season, or as long as our stock allows.**

WHITE BOTTOM—Produces beautiful white bulbs. **Pt. 20c, qt. 35c. pk, $1.00, bu. $3.00.**

RED BOTTOM—**Pt. 20c, qt. 35c, pk. 85c bu. $2.50.**

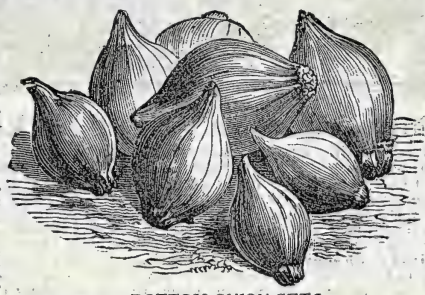
YELLOW BOTTOM—Produces bulbs of good size. **Pt. 20c, qt. 35c, pk. 85c, bu. $2.50.**

EGYPTIAN OR PERENNIAL TREE—A perennial, perfectly hardy, throwing up stalks every spring. It produces sets or small bulbs at the top of the stalk, and the root also divides. The sets are planted in the fall to produce bunch onions in the spring. **Pt. 20c, qt. 35c, pk. 60c, bu. $2.00.**

## PARSNIPS.

French—Panais. Swedish—Palsternacka. German—Pastinake. Spanish—Pastinaca. CULTURE—Parsnips give the best results when grown in a rich, deep, sandy soil, but will make fair progress on any soil which is rich, deep and porous. The seed germinates slowly and should be sown early in the spring in drills about 2 feet apart, covering about ½ inch deep. Thin out to 4 or 5 inches apart and hoe and cultivate often to keep down all weeds.

EARLY ROUND FRENCH—The roots are quite broad, but short, and are entirely distinct from the larger sorts. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 40c.**

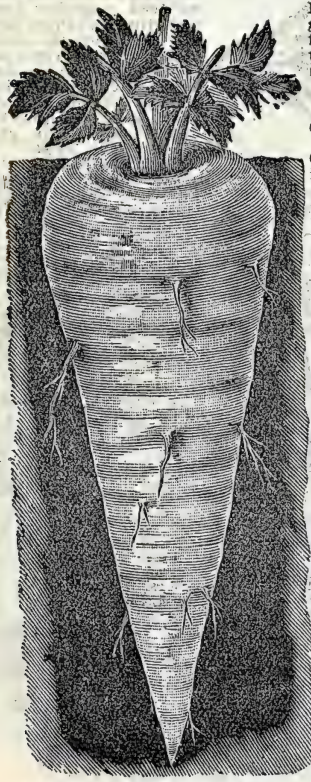


BOTTOM ONION SETS.

HOLLOW CROWN—Roots very productive, oblong, ending somewhat abruptly, with a small tap root; very smooth, clean skin. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 40c.**

IMPROVED GUERNSEY—**Half long.** Hollow Crown, but are larger in **Pkt. 5c, oz. 10c, 1-4 lb. 15c. lb. 40c.** The roots do not grow so long as the diameter and more easily gathered.

MAGNUM BONUM—(See Cut.) A most excellent variety introduced from Europe. The roots are oblong and grow mostly below the surface. **The flesh is simply delicious, being solid, tender and very sweet. Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 50c.**



PARSNIP, MAGNUM BONUM.

## PARSLEY.

German—Petersilie. Swedish—Persilja.

**1 ounce to 150 feet of drill.**

CULTURE—A rich, tolerably deep soil is the best for this crop. Soak the seed a few hours in tepid water and sow in the early spring in drills one foot apart. Thin out the plants to 3 or 4 inches apart. A single row forms a very good edging for beds or walks. As the seed germinates very slowly, sometimes two or three weeks will elapse before the plants make any appearance.

MAY'S EXTRA CURLED—(See Cut.) A most desirable free growing variety of medium size, with handsome, bright, pale green leaves that are exceedingly showy. For garnishing and for decorations it surpasses any other varieties we have ever grown. Valuable for private gardens or for market use. **Pkt. 5c, oz 10c, 1-4 lb. 20c, lb. 50c.**

CHAMPION MOSS CURLED—Select stock. Leaves are beautifully curled and crimped. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 50c.**

HAMBURG—Edible roots, used for flavoring soups. **Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 50c.**

MAY'S FERN LEAVED—A most valuable plant, both for table decorations and mixed with dwarf ornamental foliage plants, in the flower garden. **Pkt. 5c, oz 10c, 1-4 lb. 20c, lb. 60c.**

PLAIN OR SINGLE—Dark green. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 40c.**

## PEPPERS.

German—Pfeffer. French—Piement. Swedish—Peppar. Spanish—Piemento.

**1 ounce of seed for 1,000 plants.**

CULTURE—Seed may be sown in hotbeds or cold frames and transplanted about the middle of May in a sunny location in rows 18 inches to 2 feet apart. For later use sow seed in the open ground in the early summer after the weather has become settled and the earth warm, and transplant when the plants are about 4 inches in height. They prefer good, rich, mellow ground, and the earth should be well pulverized to the depth of 8 to 10 inches.

## PEPPERS—Continued.

TOBASCO—(See Cut.) Of tall bush-like growth, three to four feet in height, producing an immense quantity of small, very hot and fiery fruit one inch in length and vivid scarlet in color. This is the true variety from which the famous sauce is made. **Pkt. 5c, oz. 25c, 1-4 lb. 75c, lb. $2.25.**

CHINESE GIANT—This new pepper grows to double the size of Ruby King, and is earlier in ripening. Plants vigorous, stocky and productive. Flesh thick, mild and sweet. **Pkt. 10c, oz. 25c, 1-4 lb. 75c, lb. $2.25.**

GOLDEN DAWN—Golden yellow peppers, mild and sweet. **Pkt. 5c, oz. 20c, 1-4 lb. 60c, lb. $2.00.**

CHILI SMALL—Bright red, desirable for pepper sauce. **Pkt. 5c, oz. 20c, 1-4 lb. 60c, lb. $2.00.**

GOLDEN QUEEN—(Yellow.) **Pkt. 10c, oz. 20c, 1-4 lb 65c. lb. $2.00.**

LARGE BELL, OR BULL NOSE—An old variety of large size, which is considered very fine for use in mixed pickles. The flesh is hard, thick and less pungent than most varieties. Color glossy red. **Pkt. 5c, oz. 20c, 1-4 lb. 60c, lb. $2.00.**

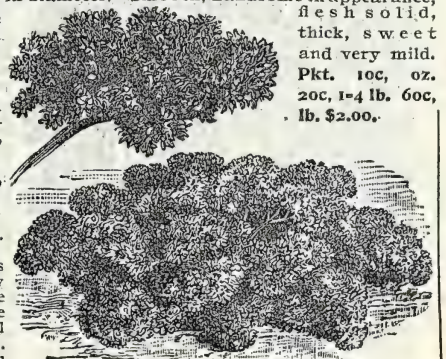
PEPPER TOBASCO.

LONG RED CAYENNE—A long, slim pod, rather pointed, and when ripe of a bright red color. Extremely strong and pungent, and is the sort used for commercial purposes. **Pkt. 5c, oz. 20c, 1-4 lb. 60c, lb. $2.00.**

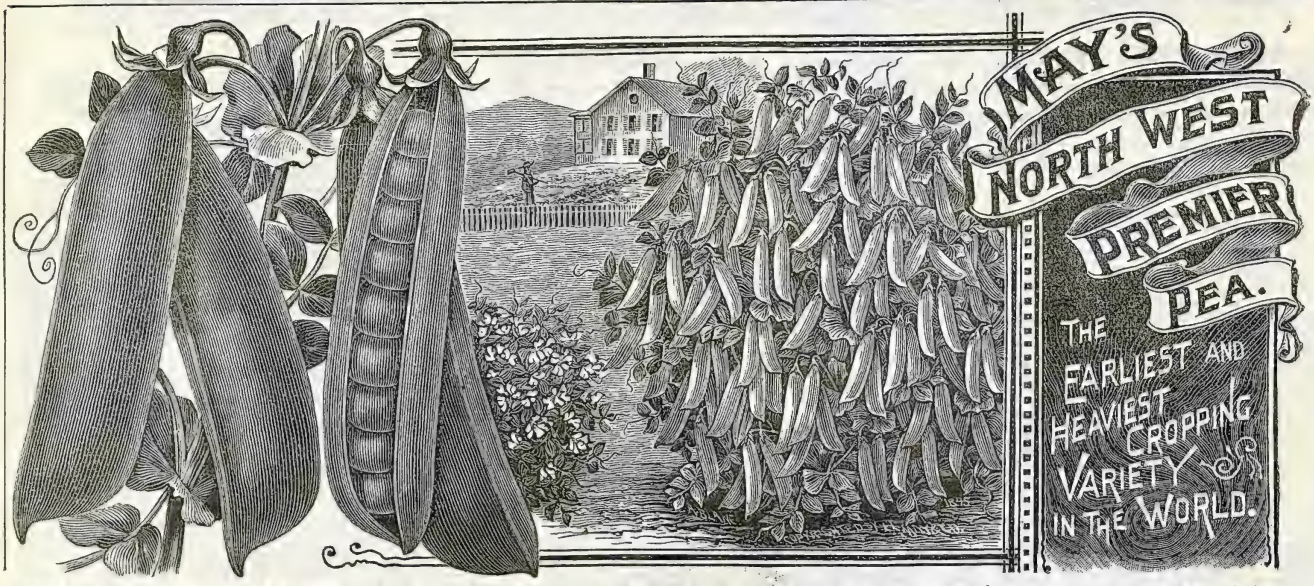
RED CLUSTER—Grows in clusters, peppers thin, of a brilliant coral color. **Pkt. 5c, oz. 20c, 1-4 lb. 60c, lb. $2.00.**

RUBY KING—An exceedingly handsome variety of enormous size, often measuring 6 inches in length and 9 inches in circumference. Unlike other kinds, as the flavor is very mild. **Pkt. 5c, oz. 20c, 1-4 lb. 60c, lb. $2.00**

SWEET MOUNTAIN—Fruit of large size, often measuring 8 to 10 inches in length by 2 or 3 in diameter. Smooth, handsome in appearance, flesh solid, thick, sweet and very mild. **Pkt. 10c, oz. 20c, 1-4 lb. 60c, lb. $2.00.**



PARSLEY, MAY'S EXTRA CURLED.




GERMAN—Erbsen.
FRENCH—Pois.

# PEAS. Extra Early Varieties. {Hand Picked.}

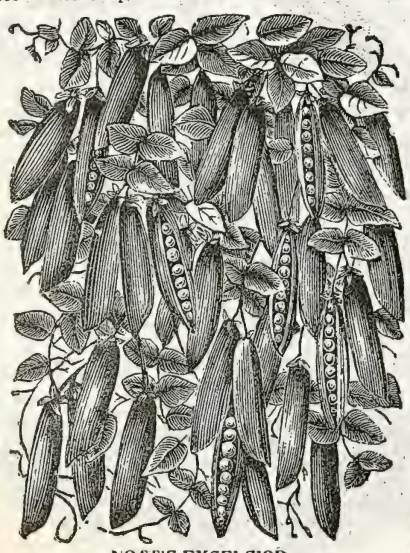
SWEDISH—Arter.
SPANISH—Guizante.

**1 quart for 75 feet of drill. 2 to 3 bushels in drills to the acre.**

CULTURE—For early peas the soil should be light and warm, but for general crop a moderately heavy soil is better. Fresh manure, very rich or wet mucky soil should be avoided, as they cause a rank growth of vine at the cost of the quality of the peas; such soil is often the cause of early sorts maturing unevenly. Sow as early as possible a few of the earliest varieties on warm quick soil, prepared the fall before. The general crop can be delayed until later, but we have met with better success from sowing all the varieties comparatively early, depending for succession upon selecting sorts that follow each other in ripening. The peas will mature earlier if covered only one inch deep, and where earliness is the most important thing, they may be treated in that way; but larger pods and more of them will be produced if the seed is planted in trenches 3 to 6 inches deep, covered with only 1 or 2 inches of soil and when the plants are 5 to 6 inches high, filling the trench level with the surface; this will secure deep rooting, prevent mildew and prolong the bearing season. If the peas are covered to the full depth at first, or if water is allowed to stand in the trenches, they will not only cease to form, but those partly advanced will stop growing.

**Prices quoted on peas by the packet, pint or quart include the prepayment of postage by us; if wanted by express or freight, deduct 8c per pint 15c per quart. Express or freight always means purchaser pays transportation charges.**

**NORTHWEST PREMIER** (See Cut.) — **Ten days earlier than any other pea. The most profitable variety for market gardeners. Give it a trial. Unequaled in yield and unsurpassed in flavor.** If you desire a variety of even growth, wonderful yield and the finest flavor, you should not fail to try the Premier. **Thousands of large market gardeners prefer it to any other sort for early marketing; this alone is a splendid testimonial.** When we first introduced this pea we were determined to perfect it so that it would take the lead of all other early peas. This we have succeeded in doing. It grows to a height of 20 to 30 inches, does not require staking, is an immense cropper. **The genuine stock of this variety can only be procured from us. Pkt. 10c, 3 pkts. 25c, pt. 25c, qt. 45c, pk. $1.50, bu. $5.00.**

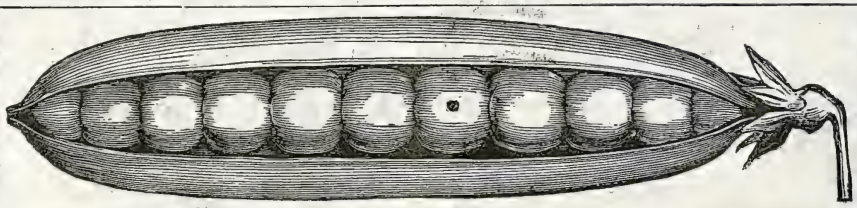


NOTT'S EXCELSIOR.

**ALASKA — Extra Early.** The vines are of strong, vigorous habit, 2 to 2½ feet in height, bearing from 4 to 7 long pods filled with medium sized peas. **Pkt. 5c, pt. 25c, qt. 45c, pk. $1.25, bu. $4.00.**

**DEXTER**—Vines of quick growth, 20 inches in height, bearing heavy crops of fine well filled pods three inches in length. **Pkt. 5c, pt. 25c, qt. 45c, pk. $1.25, bu. $4.75.**

**EARLY KENT** — Vines vigorous and hardy, 2 to 2½ feet high, pods bearing 3 to 7 medium sized smooth peas of good quality. **Pkt. 5c, pt. 25c, qt. 45c, pk. $1.25, bu. $4.75.**



GRADUS.

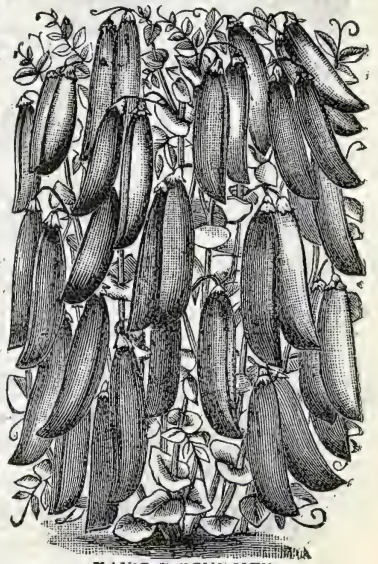
**FIRST AND BEST**—Very early, matures its crop so well together that sometimes a single picking will secure the entire crop. Vines vigorous and hardy, 2 to 2½ feet high, each containing five to seven smooth peas of good quality. **Pkt. 5c, pt. 20c, qt. 35c, pk. $1.25, bu. $4.50.**

**GRADUS**—(See Cut.) A decided novelty in peas and one that is certain to become a great favorite as soon as well known. **The pods are of large size and resemble the Telephone in shape, always well filled with peas of the finest flavor.** It ripens very quickly and must be picked as soon as fit for use. The vines are of unusually vigorous habit, growing about three feet in height and bearing long straight pods a trifle round at the point. The seed peas are extra large, wrinkled and of a creamy color. This is the first of the new class of peas and highly recommended by J. H. Allen, one of the largest growers of peas in America. **Pkt. 10c, pt. 30c, qt. 55c, pk. $3.00, bu. $10.00.**

**MAUD S.**—A fine first early for market or private use. Vines two feet high, pods large, well filled. **Pkt. 5c, pt. 25c, qt. 45c, pk. $1.50, bu. $4.75**

**PHILADELPHIA** — Vines 25 to 30 inches high; produces good sized pods containing from 6 to 9 peas of splendid quality. **Pkt. 5c, pt. 25c, qt. 45c, pk. $1.50, bu. $4.75**

**THOMAS LAXTON** — For illustration and description see list of specialties.



MAY'S MIDSUMMER.

# PEAS, Early Dwarf.

**AMERICAN WONDER**—Early and productive, vines 10 to 12 inches high, fine quality. **Pkt. 5c, pt. 25c, qt. 45c, pk. $1.75, bu. 6.50.**

**NOTT'S EXCELSIOR**—(See Cut, Page 26.) Grows 15 inches high; claimed to be the best wrinkled sort ever introduced. The vines are strong in growth, producing pods of large size. Trials in different sections show that it can be made to mature in 45 days from time of planting. **Pkt. 5c, pt. 25c, qt. 45c, pk. $1.75, bu. $6.50.**

**LITTLE GEM, McLEAN'S**—The market gardeners favorite; grows 15 inches high; pods large, peas of fine flavor. **Pkt. 5c, pt. 25c, qt. 45c, pk. $1.65, bu. $6.00.**

**PREMIUM GEM**—Early; straight pods, wel filled. **Pkt. 5c, pt. 25c, qt. 45c, pk. $1.75, bu. 6.00.**

# Medium Late Half Dwarf.

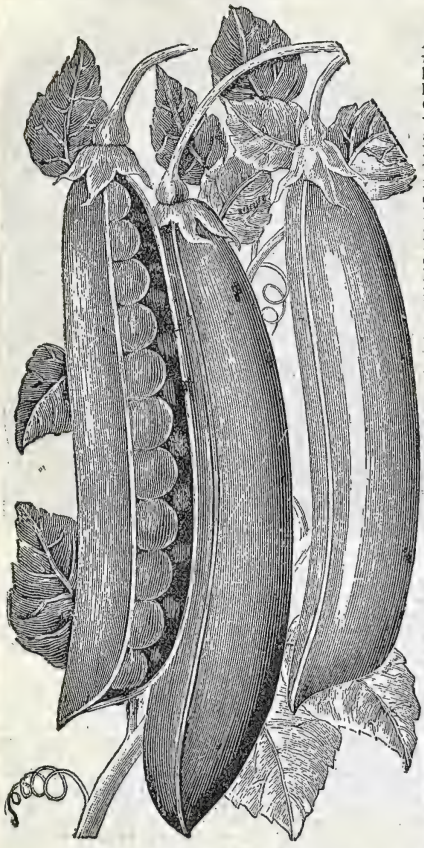
**ADVANCER, McLEAN'S**—A standard sort. Height of vines 2 feet. **Pkt. 5c, pt. 25c. qt. 45c, pk. $1.25, bu $4.50.**

**ABUNDANCE**—(See Cut.) One of the very best and most satisfactory second early peas. It grows 15 to 18 inches high; pods large, containing 6 to 8 wrinkled peas of excellent quality. Sow seed thin, as it has a remarkable tendency to branch. **Pkt. 5c, pt. 25c, qt. 45c, pk. $1.25, bu. $4.50.**

**DWARF TELEPHONE OR DAISY**—(See Cut.) The result of many years experimenting, with the view of producing a pea with dwarf vines, bearing large pods and peas of the highest quality. Its habit is dwarf, stocky, healthy and vigorous, the vines under highest cultivation never growing more than 18 inches high. It is very productive, many plants bearing from 5 to 7 pods. The pods are of large size, 4 to 5 inches long, well filled with large peas of the most delicious quality. **Pkt. 10c, pt. 30c, qt. 50c, pk. $2.50.**

**EVERBEARING**—(See Cut.) For main crop or late use, vines 18 inches high, bearing from 6 to 9 pods. The peas are wrinkled, extra large and of the finest quality. **Pkt. 5c, pt. 25c, qt. 45c, pk $1.25, bu $4.50.**

**HORSFORD'S MARKET GARDENER**—On the style of Advancers; very prolific, height of vine 2½ feet. **Pkt. 5c, pt. 25c, qt. 45c, pk. $1.25, bu. $4.50.**

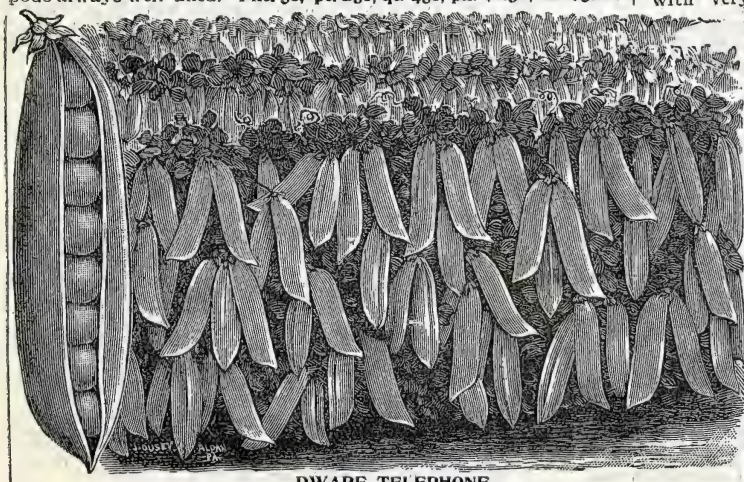


MAY'S IMPROVED STRATAGEM.

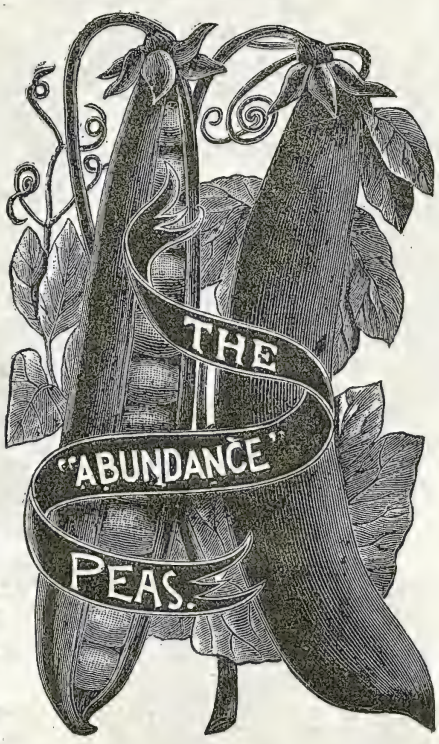
**PRIDE OF THE MARKET**—Pods very large, vines 2 feet. Sow thinly. **Pkt. 5c, pt. 20c, qt. 35c, pk. $1.50, bu. $5.00.**

**STRATAGEM, IMPROVED**—(See Cut.) An excellent wrinkled pea, with sturdy vine, growing only about two feet high. Most stocks of large podded, semi-dwarf, English varieties of peas have been so wanting in uniformity and evenness of type as to disgust American planters, but by constant effort we have developed a stock of this, the best variety of that class, which comes true, and we do not hesitate to pronounce it one of the best of the large podded sorts. The pods are of immense size and uniformly filled with very large, dark green peas. One of the very best varieties for market gardeners. **Pkt. 5c, pt. 25c, qt 45c, pk. $1.50, bu. 5.00.**

**MAY'S MIDSUMMER**—(See Cut, Page 26.) For use during the middle of the season, this variety should be planted by all gardeners. Height of vine 18 inches, bears heavily. Peas wrinkled, sugary, pods always well filled. **Pkt. 5c, pt. 25c, qt. 45c, pk. $1.50, bu. $5.00.**



DWARF TELEPHONE.




# Medium and Late Tall.

**BLACK EYE MARROWFAT**—Largely used for canning. **Pkt. 5c, pt. 20c, qt. 35c, pk. 75c, bu. $2.75.**

**CHAMPION OF ENGLAND**—A well known standard variety. Vine five feet, sow thinly. **Pkt. 5c. pt. 25c, qt. 45c, pk. $1.10, bu. $4.00.**

**LONG ISLAND MAMMOTH**—Very popular with market gardeners, who want a large handsome pod, of deep green color. Height of vine three feet. **Pkt. 5c, pt. 25c, qt. 45c, pk. $1.40, bu. $5.00.**

**TALL WHITE MARROWFAT**—Height four feet, very productive. **Pkt. 5c, pt. 20c, qt. 35c, pk. 75c, bu. $2.75.**

**TELEPHONE**—See Cut.) **Valuable for general crop and late use.** The vines are of vigorous growth, height four feet, averaging from 18 to 20 pods to a stalk. **The pods are always of extra large size packed very closely with mammoth peas of the most delicious flavor. Pkt. 5c, pt. 25c, qt. 45c, pk. $1.40, bu. $5.25.**

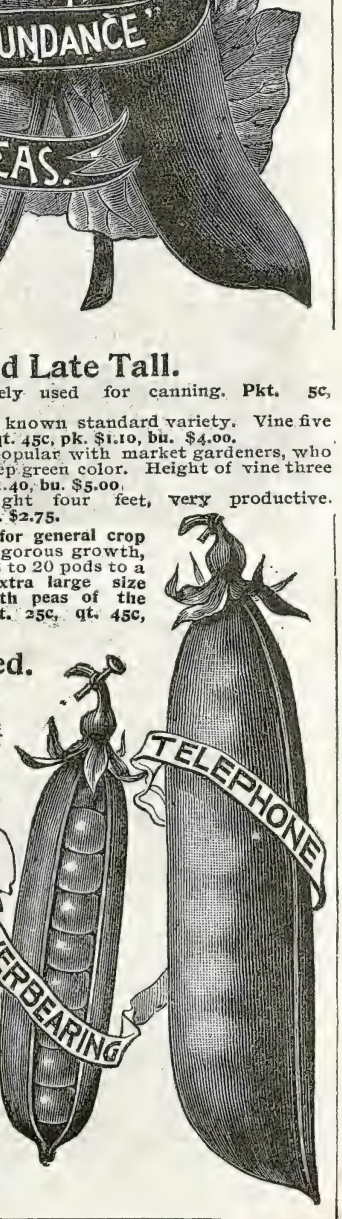
# Sugar, Edible Podded.

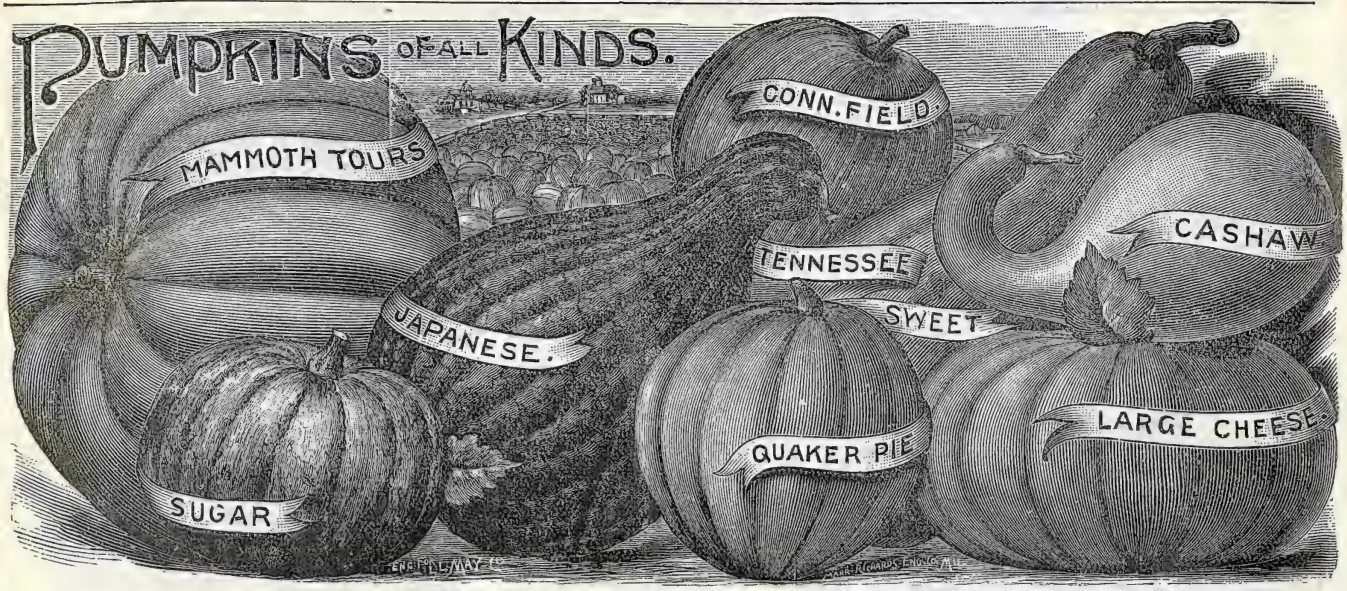
This is a favorite class of peas with very tender, edible pods. For table use they are served in the manner of green peas.

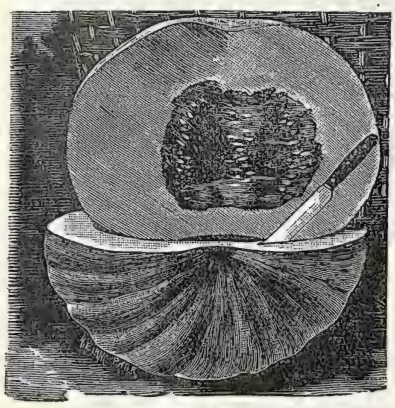
**DWARF GRAY SUGAR.** Of extraordinary yielding qualities. Vines of dwarf bush-like growth. Height one and one-half feet, with purplish blossoms. Pods should be picked when young.

**Pkt. 5c, pt. 25c, qt. 45c, pk. $1.10, bu. $4.00.**

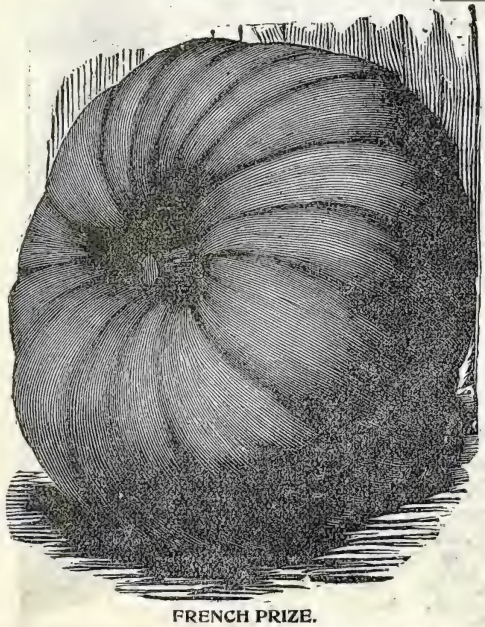
**TALL GRAY SUGAR**—This large variety grows four feet in height. Pods mature later than the preceding, much larger in size and of the same sweet flavor. Vines continue in bearing for a long time. **Pkt. 5c, pt. 25c, qt. 45c, pk. $1.10, bu. $4.00.**





CALHOUN.



FRENCH PRIZE.

SWEDISH -Pumpa. SPANISH—Calabaza. GERMAN—Kurbis. FRENCH—Courge.
**CULTURE**—Pumpkins may be planted in the middle of spring among corn or in the field or garden in hills 8 to 10 feet apart each way, four seeds in a hill. In all other respects they are given the same cultivation as melons and cucumbers, but care should be taken to avoid planting them near other vines. In growing the French Prize, make the ground as rich as possible and top dress the hill with well rotted manure, and if possible give the plants plenty of water during the dry season. This will assist in the growth greatly.

**Prices quoted on Pumpkin Seed include the prepayment of postage by us. If wanted by express or freight at purchaser's expense, deduct 10 cents per pound. 1 ounce to 30 or 50 hills.**

**CALHOUN**—(See Cut.) One of the choicest varieties that can be grown for private use. The outside color is a creamy brown, the inside a deep salmon yellow; the flesh is very thick and fine grained, the seed cavity very small. It cooks yellow and makes pies of a high, rich color and of the finest quality. This variety is entirely fixed in its character, every specimen being uniform in shape. **Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 65c.**

**CONNECTICUT FIELD**—(See Cut.) A standard round, yellow field sort, valuable as a stock food. A sure cropper and a good keeper; adapted to grow in corn fields. **Pkt. 5c, oz. 10c, 1-4 lb 15c, lb. 40c. 10 lbs. or over, 25c per lb. by express or freight.**

**CASHAW**—(See Cut.) Very popular in the Southern states. In shape it is long and with a crooked neck; color yellow. The flesh is very solid, fine grained and sweet. **Pkt. 5c, oz. 10c, 1-4 lb 20c, lb. 65c.**

**ETAMPES, RED**—A perfect giant, often growing to weigh from 100 to 150 pounds. Flesh thick, bright red, and of fair quality for a pumpkin attaining such a size. **Pkt. 5c, oz. 15c, 1-4 lb. 40c, lb. $1.40.**

**FRENCH PRIZE**—(See Cut.) A giant variety introduced in this country from France. Just the variety to grow if you want to take the First Prize at your County or State Fair this coming season. It grows to an enormous size, single specimens having been known to weigh nearly 300 pounds. Although it attains such a large size, the flesh remains tender, thick and sweet. **We have obtained our seed direct from large growers and are headquarters for it in America.** Thousands of packets sold last season. **Order early if you want to try this giant pumpkin. Pkt. 10c, oz. 20c, 1-4 lb. 40c, lb. $1 25.**

**GOLDEN OBLONG**—Of late introduction and acknowledged to be one of the very finest varieties for general cultivation. The pumpkins are of good size, usually growing 18 to 20 inches in length. Skin is golden orange color, quite thin, but exceedingly tough and therefore desirable for keeping purposes. Before the pumpkins are fully matured they are of a rich deep green shade, changing as they ripen. Flesh firm, solid, sweet and of a creamy light yellow. Vines are vigorous in growth and wonderfully prolific. **Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 85c.**

**JAPANESE PIE**—(See Cut.) This valuable variety comes to us from Japan. The flesh is very thick, of a rich salmon color, fine grained, dry and sweet, seed cavity small. Of medium size, early, very productive and a good keeper. Valued as a pie or cooking pumpkin. **Pkt. 5c, oz 10c, 1-4 lb. 25c, lb. 85c**

**KING OF THE FIELD**—(May's.) This is a greatly improved field variety, which is particularly desirable for stock feeding. It attains a good size, the flesh is fine grained, a rich yellow and of splendid quality. **It is a wonderfully productive sort,** our selected seed giving about 50 per cent larger yield per acre than any other stock feeding pumpkin we have ever grown. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 50c.**

**LARGE CHEESE OR KENTUCKY FIELD**—(See Cut.) Very productive; fruit flattened; skin mottled light green and yellow, changing to rich cream color. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 40c.**

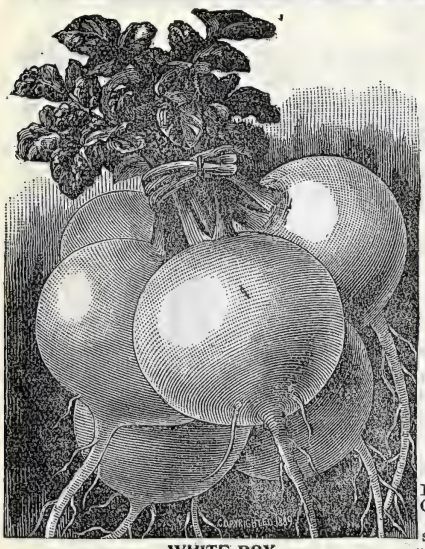
**MAMMOTH KING**—Fruits grow to enormous size, sometimes reaching 2 feet or more in diameter and from 100 to 200 pounds in weight. Salmon orange skin, very thick, bright yellow flesh, which is fine grained, tender and of excellent quality for pies. To raise the largest pumpkins, vines should be allowed plenty of room in which to grow, and only the best fruit allowed to remain on the vine. **Pkt. 5c, oz. 15c, 1-4 lb. 40c, lb. $1.50.**

**MAMMOTH TOURS**—(See Cut.) Of enormous size. Flesh thick and sugary, fine for table use. **Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 85c.**

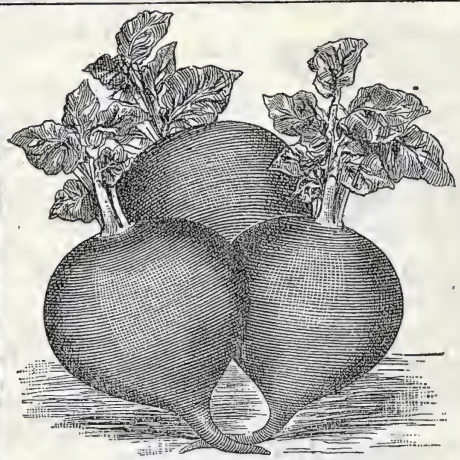
**NEGRO OR NANTUCKET**—Vines vigorous and productive. A fine keeper. **Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 65c.**

**SUGAR**—(See Cut.) Although many varieties have been introduced in the past few years, there is none that is more popular for general use. It grows to an average weight of 5 pounds. Yields enormously, ground being literally covered with the golden fruit. **Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 65c.**

**TENNESSEE SWEET POTATO**—(See Cut.) The best variety for home gardens. As will be seen by illustration, they are almost pear shaped, growing to a large size; are slightly ribbed and the skin is of a creamy white. The flesh is thick, of a yellowish white color, dry, fine grained and of a sweetish flavor. Vines are enormously productive. **Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 85c.**



WHITE BOX.



QUEEN OF THE MARKET.

ICICLE.

French—Radis. German—Rettig. **RADISHES.** Spanish—Rabano.

The radish is cultivated for its root, which should be eaten when young and tender, as in maturing it becomes strong, tough and pithy. It should be sown for early use as soon as the ground can be well prepared, and for succession, at intervals of two or three weeks throughout the season, in rich, loose, warm soil, as the quality depends largely on its rapid growth. Sow in rows a foot apart, and thin to two inches in the row by using the largest ones as soon as of sufficient size for the table. Keep free from weeds and well watered. In the heat of summer select a cool, shady place.

**Prices quoted on Radish seed include the prepayment of postage by us. If wanted by express or freight deduct 10 cents per pound One ounce to 100 feet of drill, 8 to 10 pounds to the acre.**

## Turnip Shaped Sorts.

**CRIMSON GIANT**—For illustration and description, see list of specialties.

**ROSY QUEEN**—(Forcing.) (See Cut.) The most beautiful radish ever offered. It is of a bright, deep red type, with a distinct white tip, valuable for private or early marketing. **Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 75c.**

**QUEEN OF THE MARKET**—(Forcing.) (See Cut.) The earliest turnip-shaped radish in the market; **matures in 20 days.** A rapid grower, being ready for use a week or ten days ahead of the Early Scarlet Turnip and remains crisp and tender longer than any radish of its shape. **Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 75c.**

**DEEP SCARLET**—Globe shaped; early, very fine, short leaf. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 50c.**

**WHITE TURNIP**—Flesh white, tender and crisp. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 50c.**

**SCARLET GLOBE**—Fine for forcing, or open ground. **Pkt. 5c, oz 10c, 1-4 lb 20c, lb. 60c.**

**SCARLET TURNIP**—(Forcing.) Extra early, small round. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb 50c.**

**SCARLET TURNIP, WHITE TIP**—The market gardeners favorite; early. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb, 50c.**

**TRIUMPH FORCING**—(See Cut.)—A very desirable addition to our forcing sorts. The roots are about the size and shape of Scarlet Turnip white tipped, forcing, but are creamy white, beautifully marked with spots and dashes of carmine. The tops are small. The roots mature as early as any variety in cultivation. Desirable on account of its distinct beauty, earliness and good quality. **Pkt. 10c, oz. 15c, 1-4 lb. 25c, lb. 75c.**

ROSY QUEEN.

## Olive Shaped Sorts.

**CARMINE, EXTRA EARLY**—(Forcing.) Fine bright color. **Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 60c.**

**FRENCH BREAKFAST**—Pink and white, early. **Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 60c.**

**SCARLET OLIVE**—(Forcing.) Crisp, very early, flesh pink. **Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 60c.**

**WHITE OLIVE**—White skin, and crisp white flesh. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 50c.**

## Long Red Sorts.

**CHARTIER OR SHEPHERD**—Long crimson, tipped white. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 50c.**

**CINCINNATI MARKET**—Fine strain of long scarlet, tops short. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb 50c.**

**LONG SCARLET SHORT TOP**—Very long, crisp and tender. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 50c.**

**LONG BRIGHTEST SCARLET OR CARDINAL**—Tipped with white. **Pkt. 5c, oz, 10c, 1-4 lb. 15c, lb. 50c.**

**WOOD'S EARLY FRAME**—Similar to Long Scarlet, but shorter. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 50c.**

## Long White Sorts.

**ICICLE**—(See Cut.) It is long, slender, pure white and most attractive. The young radishes are ready for use in from 20 to 22 days from sowing the seed, and are fresh, crisp and tender. **Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 60c.**

**NAPLES**—Slender, skin white, fine grained. **Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb 60c.**

**LADY FINGER**—Long white, flesh tender and crisp. **Pkt. 5c, oz, 10c, 1-4 lb. 15c, lb. 50c.**

## Summer Sorts.

**WHITE BOX**—(See Cut.) Is superior and entirely distinct from any early White Turnip radish. Remarkably short top, rapid growth, perfect turnip shape, extra fine quality, showing no disposition to become pithy with age. Its short top and rapid growth fits it for growing under glass. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 50c.**

**DELICACY**—Extra early, semi-long, smooth. **Pkt. 5c, oz. 10c, 1-4 lb 25c, lb. 75c.**

**GOLDEN YELLOW OR GOLDEN BALL**—Oval, smooth, bright yellow. **Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 75c.**

**LONG BLACK**—Roots large, long, tapering to a point, flesh white. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 50c.**

**ROUND BLACK**—Same as above, except in shape. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 50c.**

**STRASBURG, WHITE**—A fine summer variety, of large size. **Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 60c.**

**STUTTGART WHITE**—Very early and very large, smooth. **Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 60c.**

## Winter Radishes.

**BLACK SPANISH LONG**—The popular winter sort. **Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 60c.**

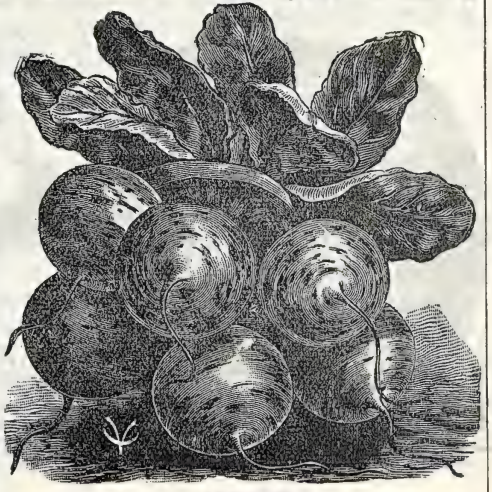
**BLACK SPANISH ROUND**—Same as Long except in shape. **Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 60c.**

**WHITE SPANISH**—Flesh white, pungent. Root, long, top shape. **Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 60c.**

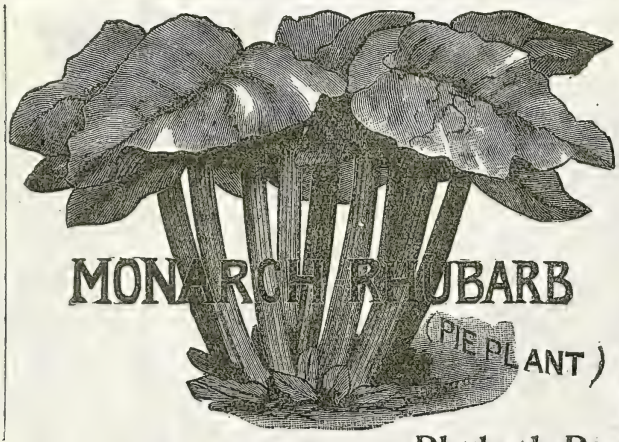
**CHINESE WHITE CELESTIAL**—Very large. **Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 75c.**

**SCARLET CHINA**—Skin smooth, color bright rose, tender and crisp. **Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 75c.**

**CHINA ROSE, WINTER**—The well known standard sort. **Pkt. 5c, oz. 10c, 1-4 15c, lb. 50c.**



TRIUMPH.




## RHUBARB.

German—Rhabarber. Swedish—Rabarber.
French—Rhubarbe. Spanish—Ruibarbo.

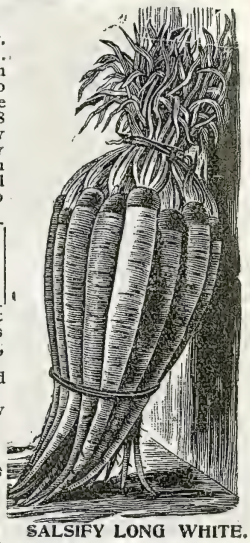
**CULTURE**—Rhubarb gives the best results when grown in deep, rich soil, that has been worked to a depth of at least one foot. Sow in drills one inch deep and thin out the plants to 6 or 8 inches apart. Transplant plants in the early fall, setting them about 4 feet apart each way and give a dressing of coarse manure each spring. The stalk should not be plucked until the second year, and the plant never allowed to exhaust itself by running to seed.

**Prices quoted on this page include the prepayment of postage by us. If wanted by express or freight, at purchasers expense, deduct 10 cents per pound.**

**MONARCH**—(See Cut.) The largest, strongest growing and best flavored variety that has ever been introduced. **Pkt. 10c, oz. 25c, 1-4 lb. 75c, lb. $2.00**

**LINNAEUS**—Very prolific, large, tender and very fine. **Pkt. 5c, oz. 15c, 1-4 lb 50c, lb. $1.50.**

**VICTORIA**—A good market sort, stalks red, very large. **Pkt. 5c, oz. 15c, 1-4 lb. 50c, lb. $1.50.**



SALSIFY LONG WHITE.

## Rhubarb Roots.

They are large and will have to be sent by express, purchaser to pay transportation charges. No orders accepted for less than one dozen. **First class roots $1.50 per dozen, $8.00 per 100.**

German—Hafer Wurzel. Spanish—Ostra Vegetal.
French—Salsifis. Swedish—Bockskagg.

## Salsify, or Vegetable Oyster.

**CULTURE**—Sow as early as the ground can be worked in the spring, in drills 12 inches apart, 1 inch deep, and thin out to 6 inches in a row. Keep them free from weeds. Cultivate the same as for carrots and parsnips. A part of the crop may be left in the ground until spring, when it will be found fresh and plump. **Sow 8 to 10 pounds to the acre.**

**LONG WHITE**—(See Cut.) Roots medium size, smooth, flesh white. **Pkt. 5c, oz. 10c, 1-4 lb. 30c, lb. $1.00.**

**MAMMOTH SANDWICH ISLAND**—Larger, stronger growing and less liable to branch than the above. Invaluable to market gardeners. **Pkt. 5c. oz. 10c, 1-4 lb. 35c, lb. $1.25.**

German—Spinat. Swedish—Spenat.
French—Espinard. Spanish—Espinaca.

## Spinach.

**1 ounce for 100 feet of drill; 10 pounds for 1 acre in drills.**

**CULTURE**—Sow in early spring, in drills a foot apart, every two weeks for a succession, and as it grows thin out for use. Keep clear of weeds. For fall use sow in August, and for winter crop in September. Cover that which is left out over winter with straw or leaves after the weather has become quite cold.

**MAY'S PERFECTION CURLED**—A splendid large variety, with large, thick, finely curled leaves produced in large numbers. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 40c..**

**CURLED BLOOMSDALE**—Large, curled and wrinkled; leaves tender and of the finest flavor. **Pkt 5c, oz. 10c, 1-4 lb. 15c, lb. 30c.**

**LONG STANDING**—Fine for spring sowing, leaves large and thick. Stands long before going to seed. **Pkt. 5c, oz. 10c, 1-4 lb 15c, lb. 30c.**

**PRICKLY SEEDED**—Vigorous and hardy. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 30c.**

**ROUND THICK LEAF**—(See Cut.) Produces large, thick, dark green leaves possessing the valuable quality of standing our severe winters with little injury. **Pkt. 5c, oz. 10c, 1-4 lb 15c, lb. 30c.**

**VICTORIA**—Extra dark, black green color. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 30c.**

**VIROFLAY**—Leaves large, thick. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 30c.**

**NEW ZEALAND**—This plant is different from the ordinary Spinach. It grows 1½ feet high, the stems and leaves are soft, thick, fleshy and of a crystalline appearance. Grows well during hot weather when the ordinary Spinach cannot be had. Soak the seed in hot water before planting. **Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 60c.**

**SPECIAL PRICE. In 10 pound lots or over we will supply seed of the following sorts, Round Thick Leaf, Long Standing, Prickly Seeded, Victoria, Viroflay or Bloomsdale at 18 cents per pound by express or freight. Purchaser pays the transportation charges.**

## SQUASH.

**CULTURE**—Sow in hills in the same manner and at the same time as cucumbers and melons, the Bush varieties three to four feet apart, and the running kinds six to nine feet apart.

## Summer Sorts.

**CROOKNECK YELLOW**—One of the best of the Summer Squashes. The plants are of true bush growth, very early fruiting and productive. The skin is yellow, thickly warted; the flesh has a greenish yellow color and is dry and of most agreeable flavor. **Pkt. 5c, oz. 10c, 1-4 lb 25c, lb 75c**

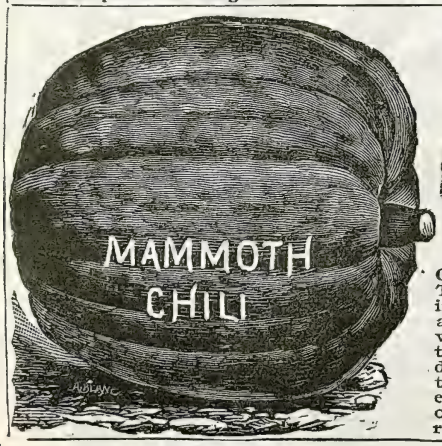
**WHITE BUSH SCALLOPED**—Grown almost exclusively for first crop, as they ripen very early and are particularly desirable for early marketing. **Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 75c.**

**YELLOW BUSH SCALLOPED**—Similar to the white Bush in every way except color and markings. The skin is a creamy yellow. **Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 75c.**

## Winter Sorts.

**BOSTON MARROW**—This is a widely popular squash for autumn or winter use. Its color is a bright orange; flesh yellow, rich and sweet; form oval. The skin is thin, but it is a good keeper and excellent for pies. **Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 85c.**

**FORDHOOK**—The flesh of this squash is very dry and sweet. It is one of the earliest of the winter varieties, and if stored in a cool, dry place will keep until the following June. The outside color is bright yellow, inside color, straw yellow. The skin is so thin that it need not be removed for cooking The meat is thick and the seed cavity small. The green squashes can be used at any stage of their growth. This squash is easily grown on all soils and is valuable for home or for market. Immensely productive. **Pkt. 5c, oz. 10c, 1-4 lb. 35c, lb. $1.25.**

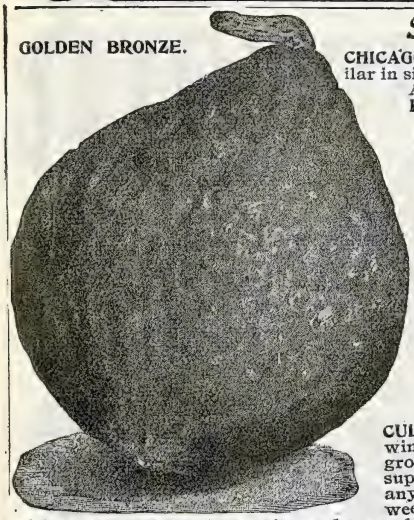


WHITE BUSH.

**GOLDEN HUBBARD, The best fall and winter Squash.** This is a perfect type of the green Hubbard, except in color, which is bright orange red, very showy and attractive. The fruits are uniform in size, weighing from 6 to 8 pounds, and in shape are like the green Hubbard. The flesh is deep orange, very dry, fine grained and of excellent flavor. Fruit matures very early. Their keeping qualities are fully equal to the green variety, and they can be held over in good condition for spring use. Vines vigorous, productive. **Pkt. 10c, oz. 15c, 1-4 lb. 35c, lb. $1.25.**

GOLDEN HUBBARD.

GOLDEN BRONZE.



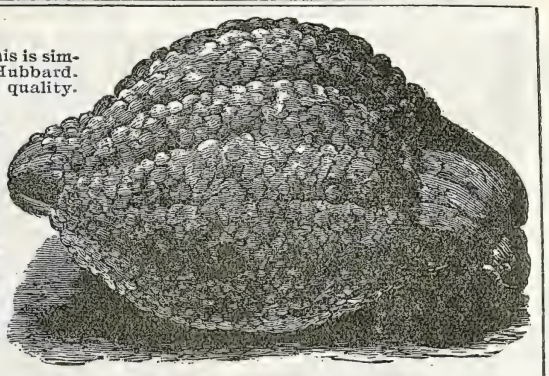
## SQUASH==Concluded.

**CHICAGO WARTED HUBBARD**—(See Cut.) This is similar in size and quality to the well-known Hubbard. An excellent keeper and of splendid quality. **Pkt. 5c, oz. 10c, 1-4 lb. 35c, lb. $1.25.**

**GOLDEN BRONZE**—(See Cut.) A cross of the Bay State and Boston Marrow. Size averaging from 8 to 10 pounds; fine grained, very sweet and of delicious flavor. **Pkt. 10c, oz 15c, 1-4 lb. 35c, lb. $1.25.**

**HUBBARD**—Well-known and liked for late use; large size, color green, marked with orange. **Pkt. 5c, oz. 10c, 1-4 lb. 35c, lb. $1.25.**

**MAMMOTH CHILI**—(See cut page 30.) Large, round, flattened at the ends. Rind deep orange, flesh dark yellow, thick and nutritious. **Pk. 5c, oz. 15c, 1-4 lb. 50c, lb. $1.60.**



CHICAGO WARTED HUBBARD.

## TOMATOES.

German—Liebesapfel. Spanish—Tomate. French—Tomate.

**CULTURE**—Sow in hotbed in early spring, or the seed may be sown in shallow boxes and placed in a window, where one does not wish to have the trouble of making a hotbed Transplant to the open ground when all danger of frost is past, setting the plants three or four feet apart each way. Some support should be provided for the plants, to keep the fruit from touching the ground; brush, hay or anything of the sort will answer the purpose, or they may be tied to stakes. Fruit may be had several weeks earlier by sowing the seed quite early and transplanting to small pots; when these are filled with roots, shift to a larger size, and transplant to open ground when weather is warm and settled, shading from sun a day or two. As the roots are not disturbed in taking plants from the pots, the plants suffer no check, but grow right on. **Our Extra Early Tree requires no support at all, and produces a most delicious tomato, solid and of the best flavor.**

**Prices quoted on Tomato seed include the prepayment of postage by us. If wanted by express or freight, deduct 10c per pound.**

**One ounce for 1,500 plants, 1-4 pound to transplant for one acre.**

**EXTRA EARLY TREE**—(See Cut.) **This is the variety so extensively advertised and sold at 25c per packet.** It is certainly a splendid tomato, and worthy of a place in any garden. Many large growers prefer it to any other sort on account of its earliness and quality. Fruit round, smooth, medium size. Another point that particularly recommends it is the fact that it **requires no support even when laden with fruit,** the stiff branches holding the tomatoes far above the ground. **We have the true seed stock, and can supply it much lower than it was offered last season. Pkt. 10c, oz. 25c, 1-4 85c, lb. $3.00.**

**ACME**—Medium size, smooth. Color purplish pink. **Pkt. 5c, oz 15c, 1-4 lb. 50c, lb $1.75.**

**ATLANTIC PRIZE**—Desirable for general use, of large size, bright red, smooth. **Pkt. 5c, oz 15c, 1-4 lb. 40c, lb. $1.50.**

**ARISTOCRAT DWARF**—Erect, strong vine; large red fruits of finest quality. **Pkt. 10c, oz. 25c, 1-4 lb 85c, lb. $3.00.**

**BEAUTY**—Large, smooth, dark pinkish red, thick flesh, regular form. **Pkt. 5c, oz. 15c, 1-4 lb. 50c, lb $1 75.**

**CHAMPION DWARF**—Dwarf compact growth; quite distinct, like the Acme. **Pkt. 5c, oz. 25c, 1-4 lb. 75c, lb $2.75.**

**CHAMPION DWARF SCARLET**—Light scarlet color; prolific, early, good quality. **Pkt. 10c, oz. 25c, 1-4 lb. 75c, lb. $2.50.**

**CRIMSON CUSHION**—This variety is of immense size, almost seedless, solid flesh, ripens thoroughly, an excellent shipper and unsurpassed for table use. It is more symmetrical in shape than the Ponderosa, and is much thicker through from stem to "blossom end;" in fact, so marked is this characteristic that it is frequently almost round. The color is brilliant scarlet crimson, untinged with purple, ripening up almost completely to the stem. The "Crimson Cushion," like the Ponderosa, is almost seedless, requiring from 10 to 12 bushels of ripe fruit to produce one pound of seed, whereas, a pound of seed is realized from 3 bushels of ordinary tomatoes. These figures tell better than any description the "seedless" character of this grand variety. The flesh is firm and "meaty" and of superb quality. It is enormously prolific and early for so large a tomato. **Pkt. 10c, oz, 25c, 1-4 lb. 85c, lb $3.00.**

**EARLIANA**—Produces plants of strong and vigorous growth, setting its fruit freely and in great abundance; very early, of large size, perfect form, bright red color and delicious flavor. It ripens clear to the stem; does not crack. **Pkt. 10c, oz. 35c, 1-4 lb. $1.25, lb. $4.50.**

**FAVORITE**—Vines medium size. Fruit oval and smooth, flesh very firm. **Pkt. 5c, oz. 20c, 1-4 lb. 50c, lb. $1.75.**

MAY'S EXTRA EARLY TREE.

**ENORMOUS**—(See Cut.) Very solid. A large, smooth, bright red sort, four to five inches in diameter. Thick through, solid, meaty, skin smooth, highly colored and free from cracks. In the "most enormous" fruits the form is oblong as though two were joined together; of strong gowth and very productive. **Pkt. 10c, oz. 25c, 1-4 lb. 85c, lb. $3.00.**

**FIRST OF ALL, MAY'S**—For illustration and description see page 32

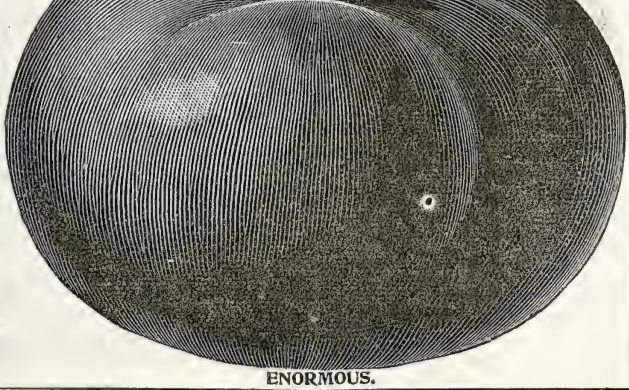
**FREEDOM**—An extra early sort of superior quality. Its value lies not only in the actual time of ripening its first fruit, but that such enormous quantities of fruit can be gathered while most varieties are ripening only a few. The fruits are of good size, perfectly round, and remarkably handsome, smooth as glass. **Pkt. 10c, oz. 25c, 1-4 lb. 85c, lb. $3.00**

**GIANT TREE**—For illustration and description see list of specialties.

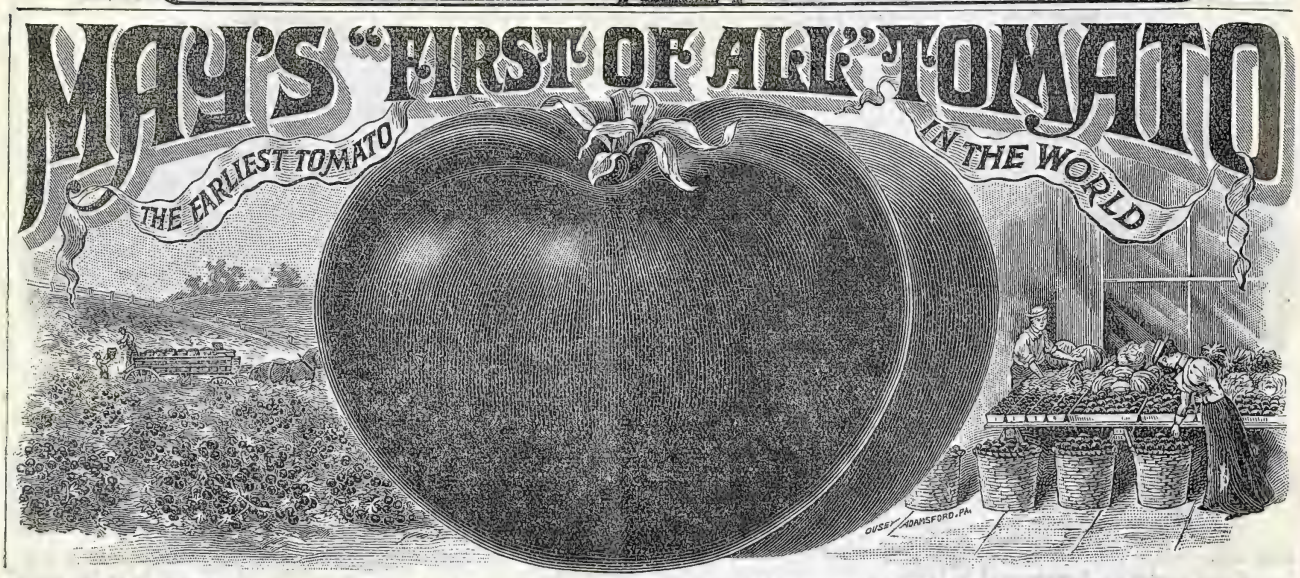
**GOLDEN QUEEN**—A large, yellow variety, resembling Paragon in size and smoothness. **Pkt. 5c, oz. 15c, 1-4 lb. 50c, lb. $1 75**

**HONOR BRIGHT**—Fruit when fully ripe is a rich, bright red, but before reaching this stage it undergoes several changes. First a light green, then a waxy white, then lemon changing to red. A very attractive and handsome variety, valuable for shipping on account of its solidity and long keeping qualities. **Pkt 5c, oz. 15c, 1-4 lb. 50c, lb. $1 75.**

**LEMON BLUSH**—A strong, vigorous grower, producing fruit of good quality. The skin is of a bright lemon yellow shade, ripens medium early, and can be depended upon to produce a good crop. **Pkt. 5c, oz. 15c, 1-4 lb. 50c, lb. $1.75.**



ENORMOUS.




**FIRST OF ALL, MAY'S**—(See Cut.)—**A money maker for gardeners. Leads all other varieties by nearly ten days in earliness.** This marvelous Tomato has been tested with nearly every known kind claiming earliness, and beatsthem all by a week to ten days. The fruit is of good size, smooth, solid and of the finest flavor. It is equally desirable for both market and home use. It is the only thoroughly first-class extra early variety for general use we have ever found, and none of our patrons who desire an extra early tomato should fail to secure the First of All. **Pkt. 10c, oz. 30c. 1-4 lb. $1.00, lb. $3.00**

**GIANT TREE**—For illustration and description see list of specialties.

**SUCCESS**—(See Cut.) A scarlet fruited variety of fine quality, handsome appearance, large size and great productiveness. The vines are of strong, vigorous growth with abundant foliage. The fruits, set in clusters, average 3 inches in diameter and 2 to 2½ inches through from stem to blossom end. Color, brightest scarlet; perfectly smooth and free from cracks. The interior is very meaty, of fine flavor. It ripens with the second earlies and yields abundantly throughout the season. The handsome color, even size and great solidity of "Success" make it an excellent market sort. Well adapted to canners use by reason of its rich deep red color, solidity of flesh and desirable form for rapid peeling without waste. **Pkt. 5c, oz 20c, 1-4 lb. 75c, lb. $2.50.**

**MATCHLESS**—(See Cut.) A standard bright red main crop variety. A splendid keeper and shipper. Less liable to crack in wet weather than most sorts. Fine for market or table. The plant is a strong grower. The fruits are large, perfectly smooth, free from core, with very small seed cavity. **Pkt. 5c, oz 20c, 1-4 lb. 75c, lb. $2.50.**

**MAGNUS**—Same color as Acme. Medium early, perfect in form, grows large and attractive. **Pkt. 5c, oz. 20c, 1-4 lb. 60c, lb. $2.25.**

**MICHIGAN EARLY**—Vines vigorous, very productive; smooth, uniform in size and color, free from rot or cracking. **Pkt. 5c, oz. 15c, 1-4 lb. 50c, lb. $1.75.**

**MIKADO**—Large, purplish red; ripens early. **Pkt. 5c, oz. 20c, 1-4 lb. 75c, lb. $2.50.**

**MINNESOTA EARLY**—Skin smooth, of fine flavor. **Pkt. 5c, oz. 20c, 1-4 lb. 75c, lb $2.50.**

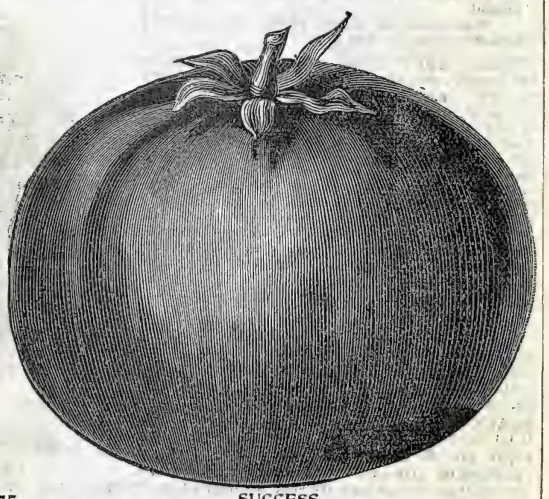
**MINNESOTA QUEEN**—Extra early, beautiful in shape and color; vines vigorous and very productive. Plants of good size, smooth and solid. **Pkt. 10c, oz. 20c, 1-4 lb. 75c, lb. $2.50.**

**NEW CENTURY**—Distinct from other sorts. The fruit is of a fine, dark scarlet color, perfectly smooth. **Pkt. 10c, oz. 20c, 1-4 lb 60c, lb. $2.00.**

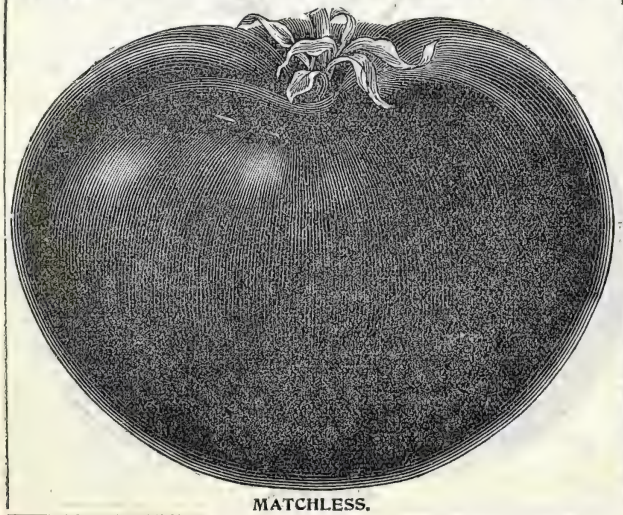
**NEW STONE**—Fruits large, solid, bright scarlet. **Pkt. 5c, oz. 15c, 1-4 lb. 50c, lb $1.75.**

**PARAGON**—A second early, large, bright crimson. A healthy grower, free from blight. **Pkt. 5c, oz. 15c, 1-4 lb. 50c, lb. $1.75.**

**PERFECTION**—Fruit large, round, smooth, handsome, red and of the finest quality. **Pkt. 5c, oz 15c, 1-4 lb. 50c lb. $1.75**



SUCCESS.



MATCHLESS.

**PONDEROSA**—Of large size, often attaining a circumference of 18 inches, weighing 2, 3 and 4 pounds each. Perfect in form, free from wrinkles and fissues, smooth, solid and seedless; ripens thoroughly from centre to skin. Color, glowing crimson. Fine for table use. **Pkt. 5c, oz. 30c, 1-4 lb. $1.00. lb. $3.25.**

**ROYAL RED**—Fruits large, bright red. **Pkt. 5c, oz. 20c, 1-4 lb. 60c, lb. $1.75.**

**RUBY EARLY**—Very early, small size, of good form and color. **Pkt. 5c, oz. 15c, 1-4 lb. 50c, lb. $1.75.**

**TROPHY SELECTED**—A standard sort Fruit large, smooth, solid, of good flavor. Color, deep rich red. **Pkt. 5c, oz. 20c, 1-4 lb. 60c, lb. $2.00.**

**TABLE QUEEN**—As large as the Mikado Very smooth and perfectly round. The flesh is very solid, almost seedless, fine flavor, somewhat resembling the Ponderosa. Color a rich purplish crimson. Desirable for table use. **Pkt. 5c, oz. 20c, 1-4 lb. 75c, lb. $2.25.**

**WALDORF**—Flesh solid, of a dark rose color and of fine flavor. **Pkt. 10c, oz. 20c, 1-4 lb. 60c, lb. $2.00.**

**STRAWBERRY OR WINTER CHERRY**—(See cut page 31.) **(Husk Tomato.)** Plants of low spreading growth and immensely productive. The small yellow fruits are each enclosed in a husk or covering. When ripe the fruits are half an inch in diameter, bright yellow and of very sweet flavor, highly esteemed for preserving or making pies. **Pkt. 10c, oz. 20c, 1-4 lb. 65c, lb. $2.50**

**CALIFORNIA PEACH**—A distinct and attractive appearing tomato, highly desirable for preserving or table use. The fruits are 2 to 2½ inches in diameter, solid, rich and meaty. **Pkt. 5c. oz. 20c. 1-4 lb. 65c, lb. $2.25.**

**PEAR RED**—Fruit bright red, pear shape. **Pkt. 5c, oz. 20c, 1-4 lb. 60c, lb. $2.25.**

**PEAR YELLOW**—Same as above except in color. **Pkt. 5c, oz. 20c, 1-4 lb. 60c, lb. 2.25.**

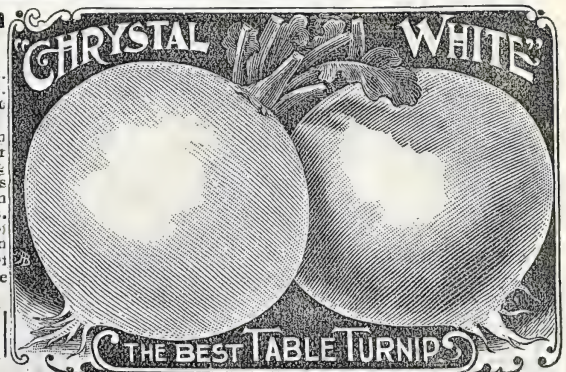
**PLUM YELLOW**—For preserving. The vines are of strong growth, and immensely productive, fruiting in clusters. The fruits average two inches in length and one inch in diameter, of a bright lemon yellow color. **Pkt. 5c, oz. 20c, 1-4 lb 60c, lb. $2.00.**

**PLUM RED**—Similar to the above except in color. **Pkt. 5c, oz. 20c, 1-4 lb, 60c, lb. $2.00.**

## Turnips--White Flesh Sorts.

German—Steckrube. French—Navet.
Swedish—Rofva. Spanish—Nabo.
**1 ounce to 150 feet of drill, 1-4 pound to transplant for one acre.**

**CULTURE**—Turnips do the best in highly enriched, sandy, gravelly or light loamy soil. Commence sowing the earliest varieties in April, in drills from 12 to 15 inches apart, and thin out early to 6 or 8 inches in the rows. For a succession sow at intervals of a fortnight, until the last week in July, from which time to the end of August sowing may be made for the fall and main crops.




**At prices quoted on Turnip seed, we prepay postage. If wanted by express or freight deduct 10c per pound.**

**BERLIN OR TELTOW**—A small spindle shaped variety, largely grown for flavoring soups. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 50c.**

**CHAMPION EXTRA EARLY**—Very early, of fine flavor and a good keeper, flesh pure white, solid, tender and sweet. **Pkt. 5c, oz. 10c, 1-4 lb 20c, lb. 60c.**

**COWHORN LARGE**—Of rapid growth, long, white, in shape resembling a cowshorn. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 45c.**

**CRYSTAL WHITE**—(See Cut.) A desirable sort for table use. Flesh is solid, crisp, fine grained and sweet. It grows rapidly, and as shown in our illustration is a pure white sort, almost round in shape, sometimes a trifle more oblong. The flesh is white, solid, crisp, and when cooked of the most delicious quality. In ordinary seasons it will mature in 5 to 6 weeks and while the bulbs are not quite so large as some sorts, they more than make up in quality, what little they lack in size. **Pkt 5c, oz. 10c, 1-4 lb. 20c, lb. 60c.**

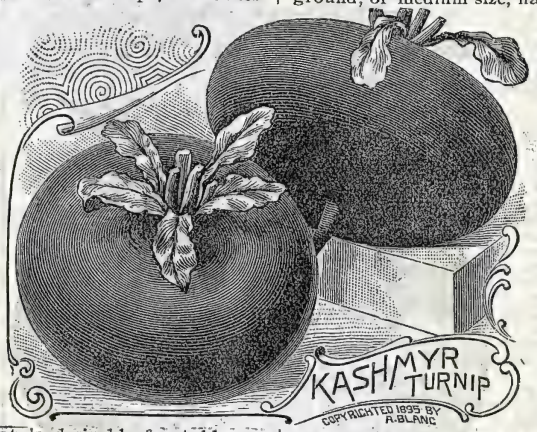
**KASHMYR, EXTRA EARLY**—(See Cut.) An early variety of small size, seldom exceeding three inches in diameter. The outer color is a rich dark crimson scarlet, while the flesh is pure white, crisp, tender and fine grained. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 50c.**

**MILAN, EXTRA EARLY WHITE TOP**—The top is very small, upright and compact, so that the rows can be planted close together. The clear white roots are very smooth, symmetrical and beautiful. The flesh is white, tender and sweet. **Pkt. 5c, oz. 15c, 1-4 lb. 25c, lb. 75c**

**MILAN, EXTRA EARLY PURPLE TOP**—Flesh solid, white, fine grained and of good quality. **Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 60**

**MODEL WHITE**—(See Cut.) A beautiful medium size white variety of turnip that is desirable for table use. Flesh white, solid, fine grained and entirely free from the coarseness so often found in this class of vegetable. In shape it is rather more oval than round. We cannot too highly recommend it and hope none of our friends will fail to give it a trial this season. **Take our word for it, it will please you. Pkt 10c, oz. 15c, 1-4 lb 25c, lb. 75c.**

**MUNICH, EXTRA EARLY**—This handsome turnip is distinct from any other sort, growing entirely above the ground. Color pure white, with a bright purplish red top. **Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 50c.**




**NORFOLK, LARGE WHITE**—A standard field variety, growing to an immense size; one of the best for stock feeding. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 40c**

**POMERANIAN, WHITE GLOBE**—Fine either for table or stock feeding. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 40c.**

**PERFECTION WHITE**—A choice white turnip that can be grown for fall and winter use. It is sweet, juicy, fine grained and tender **Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 60c.**

**PURPLE TOP STRAP LEAF FLAT**—Tops small, bulbs mostly above ground; of medium size, flat and sugary; hardy, early and prolific. **Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 40c.**

**PURPLE TOP WHITE GLOBE**—An early variety. Globe shaped; heavy cropper; in other words, similar to the Red Top Strap Leaf. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 45c.**

**SEVEN TOP**—This is in great demand through the Southern states, where it is grown for the tops, which are used for greens. It is remarkably hardy and will grow all winter, but fails to produce a good root, and can only be recommended for the tops. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 40c.**

**IMPROVED SNOWBALL, OR SIX WEEKS**—(See Cut.) A very beautiful medium sized, perfectly round turnip for garden use. The roots are perfect in shape, tops short, with a single tap root. The flesh is snowy white, solid, crisp, tender and sweet and of excellent flavor. One of the earliest varieties in cultivation, maturing in six weeks. Can be sown any time during the season, early or late. We recommend it to market gardeners because its earliness and fine appearance make it a very profitable sort to grow. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 50c.**

**EARLY WHITE DUTCH—Green Top.** An early variety that is very desirable for home use. The roots are medium size, flat, tender and sweet. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 40c.**

**WHITE EGG**—Egg shaped, with thin white skin, very solid, firm, fine grained flesh, of sweet mild flavor. **Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 60c.**

**WHITE FLAT DUTCH—Strap Leaf.** Early, the roots medium size, flat; flesh white. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 45c.**

**WHITE GLOBE—Strap Leaf.** A large, round or ball shaped turnip, averaging six inches in diameter, with smooth, white skin. Flesh pure white, firm and crisp, and of excellent flavor. The leaves are quite long, stiffly erect and of the strap leaf type. Distinct from the cut leaf foliage of other large growing sorts. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 50c.**

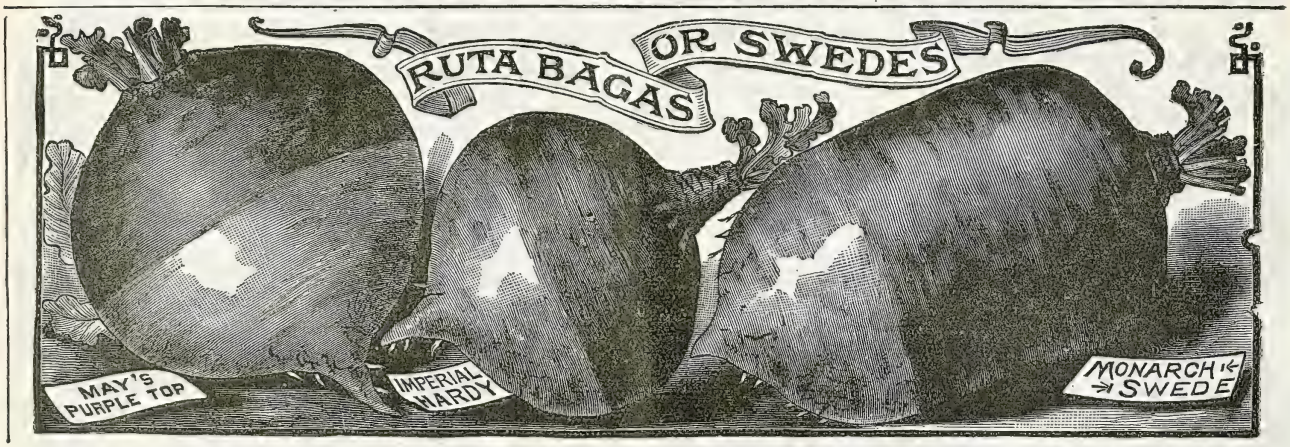
EARLY SNOWBALL, OR SIX WEEKS.

## Yellow Fleshed Sorts.

**ABERDEEN, YELLOW**—Most extensively grown for feeding stock. It grows to a large size, is solid, nutritious and of the best keeping qualities. **Pkt. 5c, oz. 10c, 1-4 lb 15c, lb. 40c.**

**AMBER OR YELLOW GLOBE**—Handsome, globular shaped. Color pale yellow, with greenish top. One of the best for general crop, either for table use or for stock. Keeps hard and brittle until late in the spring. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 50c.**

**GOLDEN BALL OR ORANGE JELLY**—This is the most distinct yellow turnip we know. The flesh is of a very fine texture, making it one of the best table varieties. Its beautiful color and fine flesh have earned for it the synonym of "Orange Jelly," which well describes its appearance when ready for the table. The bulb is of medium size, with small tap roots, and is early in maturing. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb 40c.**




## RUTA BAGAS.

**Sow two to three pounds per acre.**

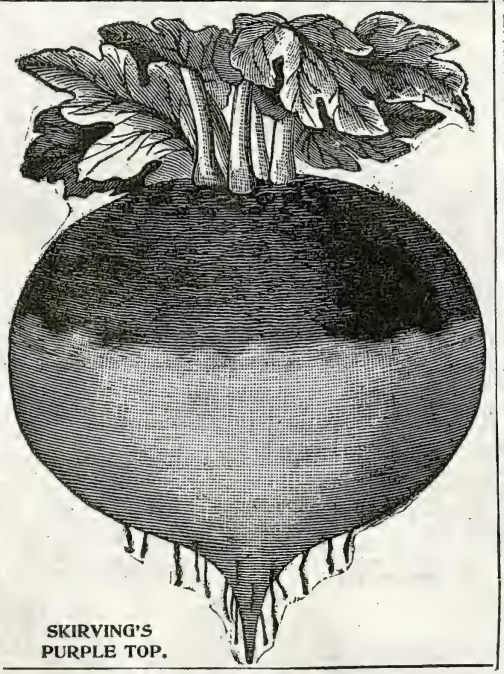
**CULTURE**—Ruta Baga seed should be sown three or four weeks earlier than that of the table varieties of turnips. The ground should be enriched with well-rotted manure and the seed sown in drills 2½ inches apart and thinned out to 6 or 8 inches in the rows. When the roots have fully matured and before severe weather sets in, pull, cut off the tops and store them in a root-cellar or pit. In some sections the seed is sown broad-cast and the Ruta Bagas are allowed to take their chances with the weeds, but this method is seldom successful except on new clearing.

**MAY'S IMPROVED AMERICAN PURPLE TOP**—(See cut.) **The garden favorite. A large and heavy yielder, hardy and productive.** This magnificent variety is the result of careful selection. It is the hardiest, most productive and nutritious variety in cultivation. Flesh yellow, of solid texture, sweet and well flavored; shape slightly oblong, terminating abruptly; color deep purple above and bright yellow under the ground; leaves small, with little or no neck, the most perfect form, the richest in flavor and the best in every respect. **Pkt 5c, oz. 10c, 1-4 lb. 15c, lb 40c.**

**CARTER'S IMPERIAL HARDY**—(See cut.) An excellent sort either for table use or feeding stock. A purple top variety of large size; flesh yellow, solid, firm, sweet and rich. There is no tendency to long necks. A heavy yielder, a good keeper. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 35c.**

**MAY'S ELEPHANT**—Grows to a very large size. The bulbs are of smooth, oval form, slightly tapering at the ends, with short, small neck and comparatively small top. The skin is a dark red above the surface and a rich yellow below; flesh a deep yellow, fine grained and of excellent quality, very hardy, productive. **Pkt 5c oz. 10c, 1-4 lb. 15c, lb. 45c.**

**AT PRICES QUOTED ON RUTA BAGA SEED we pay postage. If wanted by express or freight deduct 10c per pound.**



SKIRVING'S PURPLE TOP.

**CARTER'S HARDY**—An English variety, highly recommended for producing extraordinary crops. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 35c.**

**LAING'S PURPLE TOP**—Leaves cabbage-like and large; bulb nearly round; skin smooth, yellow below and purple above. Flesh yellow, solid and of fine flavor. A distinct sort and well adapted to southern culture. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 50c.**

**HURST'S MONARCH**—(See cut.) A large and heavy yielding yellow fleshed sort, grown extensively for stock feeding; keeping qualities unsurpassed; roots large, oval shaped, with short, small necks, and relatively small tops; flesh solid and fine grained. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 40c.**

**LARGE WHITE SHAMROCK**—Hardy and productive; flesh white, solid, firm; keeps well. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 45c.**

**SKIRVING'S PURPLE TOP**—(See cut.) A fine table or stock feeding variety; flesh solid and sweet; very heavy cropper, and a good keeper. **Pkt. 5c. oz. 10c, 1-4 lb. 15c, lb. 40c.**

**LARGE SWEET GERMAN**—Next in yield and value to May's Improved American Purple Top. It is of fine quality and widely grown. The flesh is white, firm and solid; grows to a large size and has a very rich flavor. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 40c.**

**WHITE FRENCH, Improved.**—This Ruta Baga grows to a large size and is most excellent for table use or stock. The flesh is firm, rich and of sweet, nutritious quality. A heavy cropper and a good keeper. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb. 40c**

## TOBACCO.

In making up our list we have endeavored to give only such sorts as were of special merit and certain to give satisfaction.

**CONNECTICUT SEED LEAF**—Best adapted to the Southern and Middle states. **Pkt. 5c, oz. 20c, 1-4 lb. 70c.**

**HESTER**—Recommended as one of the best for general cultivation. **Pkt. 5c. oz. 25c, 1-4 lb. 75c**

**STERLING**—Best adapted to the Northern states. Ripens early, makes finest wrappers. **Pkt. 5c, oz. 25c, 1-4 lb. 75c.**

**LITTLE ORONOKO**—A heavy cropper. Best adapted to the Middle and Southern states. **Pkt. 5c, oz. 25c, 1-4 75c.**

**BIG HAVANA**—Considered in the South one of the best that can be grown. Very early and a heavy yielder. **Pkt. 5c, oz. 25c, 1-4 lb. 75c.**

**BULLION**—A well formed, fine fibered sort. **Pkt. 10c, oz. 50c, 1-4 lb. $1.50.**

**BONANZA**—A white Burley cross on Yellow Oronoko. Makes fine wrappers, fillers and cutters. **Pkt. 10c, oz. 50c, 1-4 lb. $1.50.**

## TREE SEEDS.

Many varieties are easily grown. It should also be remembered that while some kinds sprout at once, others require several weeks, and a few lie dormant a whole season. Evergreen seed should be kept in cool, dry sand. Those with hard shells should be planted in the autumn. The seeds of other deciduous trees should be planted from April to the middle of May in drills about 2 feet apart and covered about half an inch in depth. Varieties marked thus ○ will do better if planted in the fall.

| EVERGREEN TREE SEED. | oz. | lb. |
|---|---|---|
| Arbor Vitae, American | 20c | $2.00 |
| Balsam Fir | 20c | 2.00 |
| Red Cedar | 10c | 1.00 |
| Norway Spruce | 15c | 1 50 |
| Austrian Pine | 20c | 2.00 |
| White Pine | 25c | 2.50 |
| Scotch Pine | 20c | 2 00 |
| **DECIDUOUS TREE SEED.** | | |
| ○Ash, American White | 10c | $0.75 |
| ○Ash, Black or Water | 10c | 1.00 |

| DECIDUOUS TREE SEED. | oz. | lb. |
|---|---|---|
| ○Ash, Green | 10c | $1.00 |
| Birch, American White | 20c | 2.00 |
| Birch, European | 10c | .40 |
| ○Butternut | | 25 |
| ○Black Walnut | | .25 |
| ○Box Elder | 5c | .30 |
| ○Catalpa, Hardy | 10c | 1.00 |
| ○Chestnut, Sweet | | .30 |
| Elm, American | 20c | 2 00 |
| ○Honey Locust, for hedges | 10c | 40 |

| DECIDUOUS TREE SEED. | oz. | lb. |
|---|---|---|
| ○Kentucky Coffee Tree | 10c | .75 |
| Larch, European | 20c | 2.00 |
| ○Linden, American | 10c | 1.00 |
| ○Locust, Yellow | 10c | .40 |
| ○Maple, Norway | 10c | .50 |
| ○Maple, Sycamore | 10c | .50 |
| ○Maple, Sugar | 10c | .75 |
| Maple, Soft | 10c | .40 |
| Mulberry, Russian | 40c | 4.00 |
| Osage Orange, for hedges | 10c | .60 |

| DECIDUOUS SHRUB SEEDS. | oz | lb. |
|---|---|---|
| ○Berberry, Common | 10c | $0.75 |
| ○Berberry, Purple | 15c | 1.50 |
| Calycanthus | 10c | 1.25 |
| Privet, Common | 10c | .75 |
| Privet, California | 15c | 1.25 |
| Snowball | 15c | 1 00 |
| ○Buckthorn | 10c | 1.00 |

NOTE—American Elm and Soft Maple mature their seed early in the summer, and they should be planted immediately after dropping.

# MAY'S NORTHERN GROWN FARM SEEDS

ALWAYS BRING BIG CROPS

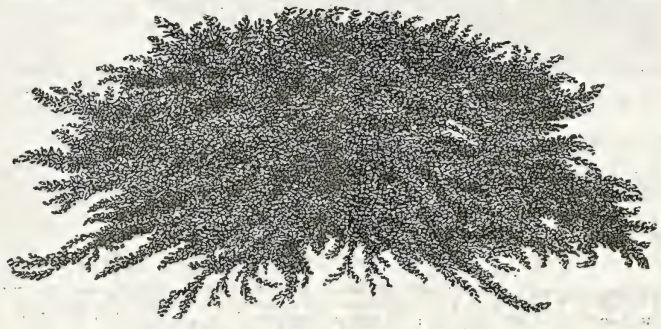
**PRICES QUOTED ON FARM SEEDS.** By the pound include the prepayment of postage by us. Farm Seeds by the peck, bushel or bag, we do not deliver free, but are sent by express or freight, customers paying transportation charges. In all cases we secure the cheapest rates, making no charge for packing, cartage, bags or delivery to any railroad station or express office in St. Paul.

**MARKET CHANGES.** Owing to the unsteady condition of the markets this season, prices are constantly changing. The prices given here are those ruling at the time when this catalogue was published, Jannary 1st. Should our prices on any item seem high, we would consider it a favor if our customers in making up their order for Farm Seeds in large quantities would write us, and we will be pleased to quote prices ruling at the time received, or we will fill all orders at lowest market prices, as it is our intention to meet the competition of all reliable firms.

**NOTE.**—We pay particular attention to this department of our business. These seeds are selected with special reference to their quality. Customers may rely on our exertions to furnish all seeds fresh, pure and free from noxious or foreign seed. The seed we offer is all re-cleaned by the best up-to-date machinery.

## Australian Salt Bush.

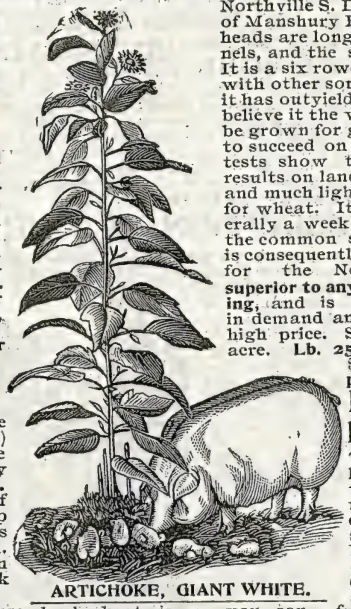
**A Forage Plant for Alkali Soils, and for Regions Subject to Periodic Drought.** (See Cut.) This is a most wonderful forage plant, as it will grow freely in arid and alkali lands that will produce no other vegetation, yielding a marvelously liberal foliage which is eagerly eaten by all kinds of stock. It is of creeping habit. From 20 to 30 tons of green fodder have been harvested from one acre. It has further been proven that after three or four crops have been grown on alkali land the soil is then capable of producing any other vegetation. In many sections of the states this is in itself of priceless value. This plant has been very extensively tried at the California Experimental Station, where single plants, grown on the poorest alkali ground, have reached a diameter of 16 feet in one season. One pound of Seed will sow an acre. It grows readily from seed and requires no cultivation. **Pkt. 10c, oz. 20c, 1-4 lb. 45c, lb. $1.35; postpaid, 10 lbs. $12.00.**



AUSTRALIAN SALT BUSH.

## ARTICHOKE ROOTS.

**Giant White.** (See Cut.) **The greatest hog food known,** attracting much attention on account of their great fattening properties (**over one thousand bushels having been grown on one acre.**) They need not be dug in the fall; the hogs should be turned on them, and will help themselves by rooting for them. They are also said to be a preventive of hog cholera and other diseases; highly recommended for milk cows, increasing the yield of milk. **Three to five bushels will plant an acre.** They may be planted same as potatoes. Plant in April or May, in rows 3 feet apart, and 2 feet apart in the row, and cover about 2 inches deep. **Lb. 30c, 4 lbs. $1.00, by mail postpaid; pk. 50c, bu. $1.50, bbl. of 3 bu. (enough for acre) $3 50**



ARTICHOKE, GIANT WHITE.

## BUCKWHEAT.

**Japanese.** (See Cut.) The most productive and profitable variety in cultivation. From ½ bushel of seed sown a crop of 40 bushels has been harvested. In color the grain is a rich, dark brown. Flour from Japanese buckwheat is fully equal in quality to that from any other variety. It ripens a week earlier than Silver Hull, and yields two or three times as much. Excellent for bees. **Lb 25c, postpaid; pk. 50c, bu $1.25, 2 1-2 bu. $2.90.**

BUCKWHEAT JAPANESE

## Silver Hull.

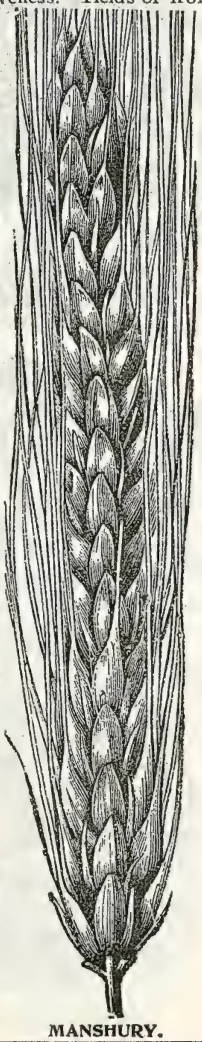
An old standard sort that ripens early and is a heavy yielder on all kinds of soils; seldom affected by drought. The berry is of a light, silver gray color. The flour is whiter and more nutritious than that made of the common sorts. **Lb. 25c, postpaid; pk. 50c, bu. $1.25, 2 1-2 bu. $2 90. by express or freight,**

## Manshury Barley.

THE HEAVY CROPPING MANSHURY BARLEY.

**The famous variety so highly recommended by Prof. Henry, of the Wisconsin Agricultural College.**

We believe no variety ever introduced has given such perfect satisfaction in all parts of the country as Manshury Barley Professor Henry says in his report that Manshury still heads the list in productiveness. Yields of from 50 to 60 bushels per acre are often reported. A leading farmer of Northville S. D., reports 240 bushels of Manshury Barley on 5 acres. The heads are long, filled with plump kernels, and the straw is extra strong. It is a six rowed variety, and, tested with other sorts sold at high prices, it has outyielded all of them, and we believe it the very best sort that can be grown for general crop. It seems to succeed on all kinds of soils, but tests show that it gives the best results on lands that are more sandy and much lighter than those adapted for wheat. It ripens very early, generally a week or ten days ahead of the common six rowed variety, and is consequently exceedingly desirable for the Northern states. **It is superior to any other variety for malting,** and is consequently always in demand and invariably brings a high price. Sow 2½ bushels to the acre. **Lb. 25c, postpaid; pk. 40c, bu. $1.10. 5 bu. or over $1.00. per bu. by exp. or freight.**



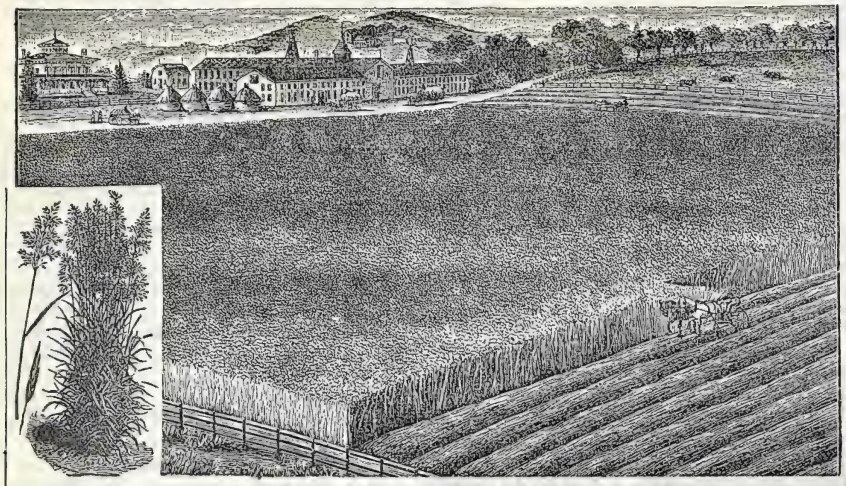
MANSHURY.

## New Bearded Barley.

The earliest barley known; if sown the twentieth of March will ripen about the twenty-eight of June; straw same length as common barley, will stand up on any land; has produced 80 bushels per acre. Sow as early as you can, frost will not hurt it. It is beardless, handles as easy as oats, and makes a stronger feed. **Lb. 20c, postpaid; pk. 40c, bu. $1.25, 5 bu or over $1.10 per bu. by express or freight**

## Highland Chief Barley.

A new and distinct two rowed variety. A very robust, vigorous grower. Straw strong, upright; yields from 50 to 60 bushels per acre; usually weighs over 50 pounds to the measured bushel. Less liable to be damaged by wet than other kinds. **Lb. 20c, postpaid; pk. 40c, bu $1.25, 5 bu. or over $1.10 per bu. by express or freight.**



A FIELD OF BROMUS INERMIS.

# BROMUS INERMIS

## OR BROME GRASS, THE WONDERFUL RUSSIAN FORAGE GRASS.

**Full cultural instruction mailed free on application.**
DESCRIPTION.—It originated in Russia, and is recommended on account of the manner in which it has stood on the Hungary plains, where the dry, sterile nature of the country and the long continued droughts make so many plants succumb. This Bromus, however, stands well, and has been known for thirty years to stand when such robust crops as alfalfa have been destroyed. It gives a luxuriant crop, particularly on fresh sandy loam soil, and where the climate is warm. It is found that animals eat it greedily, whether in the green or the dry state, so that it can be mown or saved for winter use. The seed is sown in the early spring. It is also useful in filling up gaps where alfalfa or clover crops have failed. It will stand under favorable conditions for twelve years, and give as much food in one month as alfalfa gives in three months. **Lb. 30c, 3 lbs 85c, postpaid; 18 pounds, enough for one acre, $3.00; 100 lbs. $14.50. 50 pound lots at 100 pound rates.**

IMPORTANT. We offer only one grade, the best. Do not be tempted by low offers. Cheap prices mean inferior seeds. One pound of good seed will go farther than two pounds of the lower grades The seed we offer is from our own direct importation from Russia, and can be relied on. 15 to 18 pounds is sufficient for one acre. The cheaper grades require from 25 to 30 pounds per acre.

JERUSALEM CORN.

**Jerusalem Corn.** Pronounced one of the very best and most certain grain crops for dry sections, and in the southwest claimed to be superior to the Famous Kaffir corn, which is having such immense sales at the present time. It attains a height of 3 feet and makes a large head of one main stalk and several smaller heads on the side. In good seasons often as high as 8 or 9 heads will be seen on one stalk. The grains are pure white, almost flat. Sow 3 or 4 lbs. to the acre. **Lb. 25c; 3 lbs. 70c postpaid.**

## BROOM CORN.

**Evergreen.** (Minnesota grown.) This variety is more generally grown than any other sort on account of the color and quality of brush. The brush is of good length, always green; when ripe it does not get red and has no center stalk, which is most desirable to broom corn growers and manufacturers. We offer carefully selected stock of this variety, and know that it is certain to give satisfaction. **Lb. 25c, postpaid; 10 lbs. 75c, 25 lbs. $1.25, 50 lbs. $2.00, 100 lbs. $3.50.**

**Evergreen Tennessee.** Of fine quality, good length and handsome appearance; cut before the seed is ripe it is a beautiful pea green color, ripens early and yields heavy crops. **Lb. 25c. postpaid, 10 lbs. 60c, 25 lbs, $1.25, 50 lbs. $2.25, 100 lbs. $4.00.**

**California Golden.** This variety has been carefully selected and improved so that the brush is straight and long, a very large porportion of it being suitable for hurl. It is of fine quality, of light green color, turning to light yellow when allowed to become too ripe. Brush straight and long. **Lb. 25c postpaid; 10 lbs 60c, 50 lbs. $2.25, 100 lbs. $4.00.**

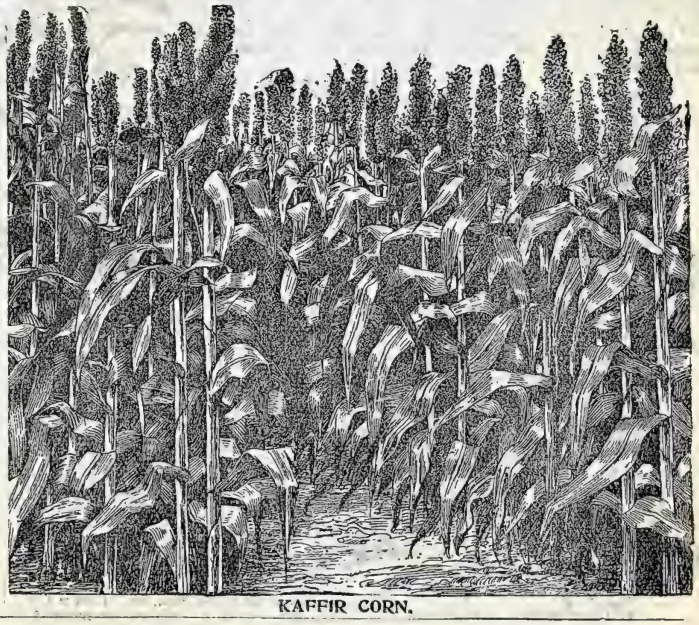
**Dwarf Evergreen.** Grows from three to four feet high, with straight smooth brush; principally used for making whisks and brushes. **Lb. 25c, postpaid; 50 lb. $2.75, 100 lbs. $5.00.**

**Japanese.** By far the quickest growing variety that was ever introduced, and tests prove that it will mature in 75 days when planted late. One grower states that it was planted the middle of July and ready to cut by the first of October. Largely grown in the Southwestern states. **Lb. 25c postpaid; 10 lbs. 65c, 50 lbs. $2.25, 100 lbs. $4.00.**

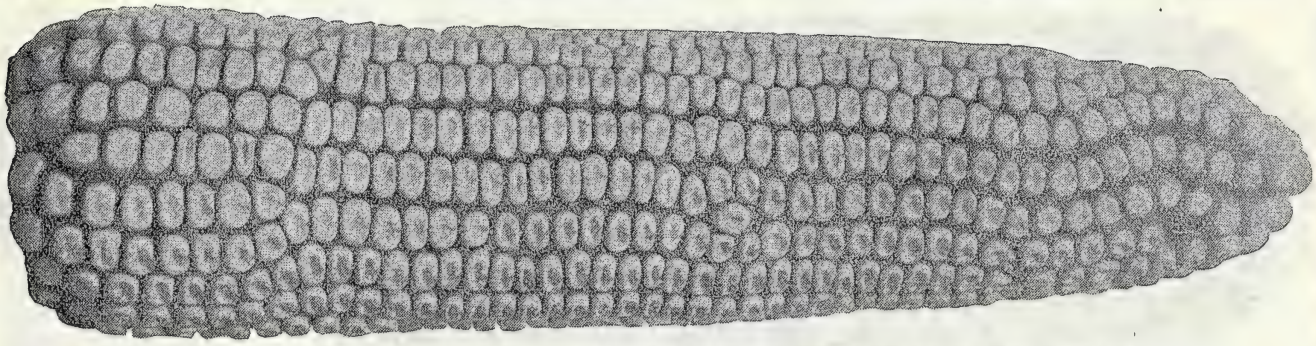
BROOM CORN.

## DESCRIPTION OF OUR CHOICE KAFFIR CORN.

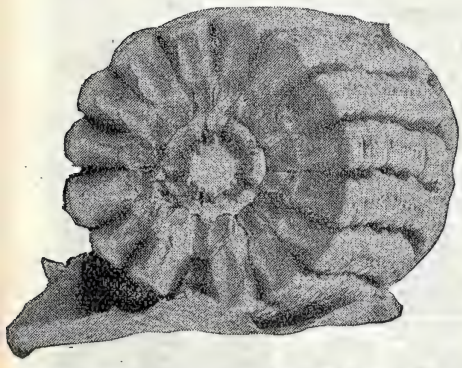
**Yields heavily even on the poorest soils.** This wonderful forage plant has become very popular in all sections of America the past three years and is highly recommended by the leading agricultural writers. It is a variety of non-saccharine sorghum and distinct from all others of this class. It does not stool from the roots, but branches from the top joints, producing two, three and four heads of grain from each stock. The average height on good land is about 5 feet, but the stalks are very strong and never known to blow down in ordinary wind storms. **It has the valuable quality of resisting drouth,** and if the growth is checked for want of moisture, the plant waits for rain and then at once resumes its progress without any apparent detriment to its condition; indeed, reports show that **it has never failed to produce a good crop in the most disastrous seasons.** The whole stalk, as well as the blades, cures into excellent fodder, and in all stages of its growth is available for green feed. **All kinds of cattle are fond of it.** Kaffir Corn may be planted very early in the spring, and should be sown in rows about 3 feet apart, using about three or four pounds per acre. It can be grown as far north as Minnesota, and is therefore desirable for cultivation in all parts of this country. **Pkt. (2 oz.) 10c, lb. 25c, 3 lb. 70c, postpaid; 10 lbs. 65c, 50 lbs. $2.00; 100 lbs. $3.50.**



KAFFIR CORN.



MAYFIELD EARLIEST .ENGRAVED FROM A PHOTOGRAPH.



## FIELD CORN--White Dent Sorts.

**Mayfield Earliest.** A new Drought Proof, White Dent Corn. This excellent variety, introduced for the first time last season, possesses so many good points that we unhesitatingly pronounce it the best White Dent variety in existence. The plant is strong, deep rooted and stocky, enabling it to withstand drought in a remarkable manner. The corn matures 80 days from planting. This renders it invaluable to the farmers of the Northwest. It is a heavy yielding variety, nearly all stalks bearing two ears, some three, and but very few less than two. The kernels are very deep, the cob very small. It will yield more shelled corn per acre than any variety we have ever grown. The kernels are plump, hard and well matured clear to the tip of the ear. It makes most excellent flour, being pearly white, fine grained and of excellent flavor. The ears are of medium length, with from 14 to 16 closely set rows of kernels. **It is the Earliest, Hardiest, Most Productive, Most Beautiful, High Bred, Pure White Dent Corn** ever introduced, and will prove of inestimable value to the farmers of the Northwest. **Lb. 25c postpaid, pk. 65c, bu. $1.75, bag (2 1-2 bu.) $4.00, by express or freight.**

## FLINT SORTS.

**Compton's Early.** (75 days.) **Early, prolific, good size ear and small cob.** Ears averaging 9 to 15 inches in length, 12 to 14 rowed, well filled out to the tips, a rich golden yellow. **Lb. 25c, pk. 60c, bu. $1 75, bag (2 1-2 bu.) $4.00.**

**King Philip.** An extra early red flint, valuable for the North; matures in 90 days. Ears eight rowed, 9 to 12 inches long. **Lb. 25c, pk 50c, bu. $1.60, bag (2 1-2 bu.) $3.75.**

**Longfellow.** An eight-rowed sort, with ears 12 to 15 inches in length, 1½ inches in diameter. Small cob. **Lb. 25c, postpaid; pk. 50c, bu. $1.60, bag (2 1-2 bu.) $3.75.**

**Mercer.** Well adapted to the North. An eight-rowed corn, with ears 12 to 15 inches in length and 1½ inches in diameter. **Lb. 25c, postpaid; pk. 75c, bu. $1.75, bag (2 1-2 bu.) $4.00.**

**Sandford's White.** It is quite early, with large sized ears. **Lb. 25c, postpaid; pk. 50c, bu. $1.60, bag (2 1 2 bu.) $3.75.**

**Triumph.** A very early flint variety, bright yellow in color, maturing in from 80 to 90 days. Ears 18 inches in length, 14 to 16 rowed. **Lb. 25c, postpaid; pk. 50c, bu. $1.75, bag (2 1-2 bu.) $4.00.**

**Bonanza.** (100 days.) Yields heavily on all kinds of soils. The grains are of enormous size, broad, quite deep, cob small. The stalks bear from two to three large ears. **Lb. 25c, postpaid; pk. 50c, bu. $1.60, bag (2 1-2 bu.) $3.75, by express or freight.**

**Champion White Pearl.** (90 days.) A pure white dent, maturing in 90 to 100 days. Cobs small, white. The grain is extra long, very heavy and compact. **Lb. 25c, postpaid; pk. 50c, bu. $1.50, bag (2 1-2 bu.) $3.50.**

**Hickory King.** (110 days.) A mammoth white dent that will mature in about 110 days. **Lb 25c, postpaid; pk. 50c, bu. $1.50, bag (2 1-2 bu.) $3.50.**

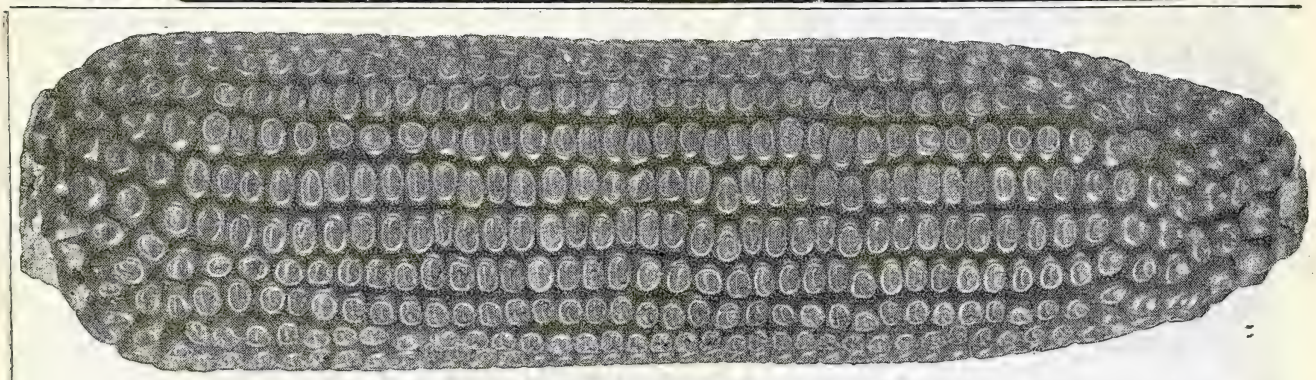
**Minnesota White Dent.** An extra early sort. Ears good size, kernels long, deep, growing very compact. A vigorous grower. **Lb. 25c, postpaid; pk. 50c, bu. $1.50, bag (2 1-2 bu.) $3.50.**

**Snow White Dent.** (100 to 110 days.) Combines pure and very white color with large size, compactness and smoothness of grain, with sure maturity; ears medium. **Lb. 25c, postpaid; pk. 50c, bu. $1.50, bag (2 1-2 bu.) $3.50.**

# THE GREAT YELLOW FLINT CORN, PRIDE OF CANADA

## The Corn for the Extreme North.

The greatest of all the flint varieties. Ears long, of rich yellow color. **Enormously productive, out-yielding any field corn we have ever grown.** Will prove to be of the greatest value to the farmers of the far North. Ripens earlier than any of the flints. Don't fail to try it if you want a big yielding flint corn. **Lb. 25c, 3 lbs. 70c, postpaid: pk. 50c, bu. $1.60, bag (2 1-2 bu.) $3.75.**



IMPROVED LEAMING, Minnesota Grown. (Engraved from a Photograph.)

## CORN, Yellow Dent Sorts.

**Abundance.** For illustration and description see list of specialties page 6. Lb. 25c postpaid, pk. 50c, bu $1.75, bag (2½ bu.) $4.00.

**Extra Early Dakota Queen.** (See Cut.) (85 Days.) Minnesota Grown. THE HEAVIEST YIELDING, EXTRA EARLY YELLOW DENT CORN. A VALUABLE VARIETY FOR THE NORTHERN STATES. RIPENS IN ABOUT 85 DAYS FROM PLANTING. It is, beyond a doubt, the earliest Dent Corn ever introduced, and is the most valuable addition to the list of corn in many years. It is of a bright yellow color, small ear and cob, with a very long, deep grain. Lb. 25c, postpaid; pk 50c, bu $1.60, bag (2½ bu.) $3.75.

**Earliest of All, May's.** (80 Days.) Minnesota grown. One of the earliest of the yellow dent sorts. 10 to 12 rowed. Produces as great a weight per acre as any sort we know of. Well adapted to heavy and light land. Lb. 25c, postpaid, pk 50c, bu. $1.50, bag (2½ bu) $3.50.

**Early Golden Dent.** (100 Days.) Ears of good size, of a bright golden yellow color. 12 rowed. Lb. 25c, postpaid; pk 40c, bu. $1.40, bag (2½ bu.) $3.25.

**Golden Beauty.** (110 Days.) The ears are of perfect shape, with from 10 to 14 straight rows of bright golden yellow grains, remarkable for their size. The cobs are well filled to the extreme end The quality of the grain is superior to most sorts, and it is therefore very desirable for grinding into meal. Lb. 25c, postpaid; pk. 40c, bu. $1.40, bag (2½ bu.) $3.25

**Golden Surprise.** (90 to 100 Days.) This corn as a whole, is indicative of its name, and is, indeed, a genuine surprise to all who behold it. Beautiful in its rich, golden color and even size from butt to tip of ear. Certain in its maturity. Profitable in its depth of grain and small percent of waste of cob. Stalks short and strong, with broad, closely set leaves, which make it a superior fodder corn. Lb 25c, postpaid; pk 40c, bu $1.40, bag (2½ bu.) $3.25.

**Huron Dent Extra Early.** (90 days.) Minnesota grown. Grain deep golden yellow and large, while the cob is very small. Lb. 25c, postpaid; pk. 50c, bu. $1.50. bag (2½ bu.) $3.50.

**King of the Earliest.** (85 days.) Minnesota grown. Stalks grow 6 to 7 feet high, ears from 7 to 9 inches long, very deep, soft grain and small red cob. 12 to 16 rowed. Valuable for the extreme north. Lb. 25c, postpaid; pk. 50c, bu. $1.50, bag (2½ bu.) $3.50.

**Iowa Gold Mine.** (90 days.) A medium early large yellow dent that is valuable for parts of Iowa and the Middle States. The grain is deep, a golden yellow color, ears of good size. Cob small. Lb 25c, postpaid; pk 40c, bu. $1.40, bag (2½ bu.) $3.25.

**Improved Leaming.** (Minnesota grown. (See cut.) (90 days.) A carefully improved strain of the old variety. By careful selection from year to year we have produced this new strain. The ears are large and handsome, with deep large grain, of an orange yellow color, cob red, stalks medium size, tapering gradually, generally producing two good ears each. Lb. 25c, postpaid; pk. 50c, bu $$1.50, bag (2½ bu.) $3.50

**Leaming.** A popular standard sort; very productive. Ears long, cob small, the stalks are leafy, makes excellent fodder. Lb. 25c, postpaid, pk. 40c, bu. $1.40, bag (2½ bu ) $3.25.

**Minnesota King.** (See Cut, ⅔ natural size.) Minnesota grown. A famous half dent, eight-rowed corn. This was introduced a number of years ago and has steadily increased in favor since its introduction, and we consider it one of the most valuable sorts ever grown for the Northern States While there are many varieties that in good years will yield as much as Minnesota King, there are very few, we think, that will, year in and year out, produce as heavy a crop as this sort. The ears are quite large, cobs small, kernels yellow, broad, long and set very closely on the cob. On account of its healthy and vigorous growth in its early stages of growth, it can endure more drought, heat and cold weather, and being extremely early it is soon out of danger of frost. The stalks grow to a medium height, are firm and well rooted, withstanding the strongest winds. Lb. 25c, postpaid; pk. 50c, bu $1.50, bag (2½ bu.) $3.50.

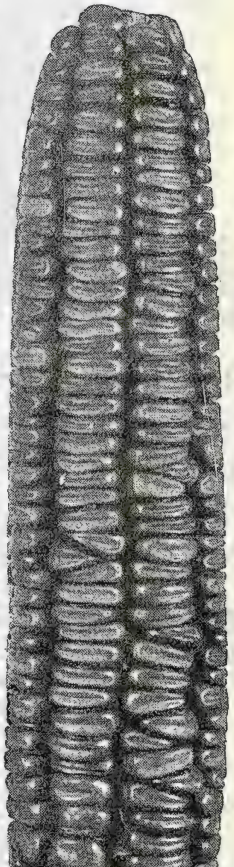
**Minnesota Number Thirteen.** Minnesota grown. This is a new early variety of yellow dent corn. It is a full 16 rowed yellow dent corn, with kernels packed closely upon the cob, well filled from tip to tip. Lb. 25c, postpaid; pk. 50c, bu $1.50, bag (2½ bu.) $3.50.

**Northwestern Dent.** (80 Days.) Minnesota grown. A ten rowed sort. Grows strong, rank, quick and makes a fine appearing shelled corn. The grain is of a bright yellow color, and with us this variety produced fully ripened ears in eighty days. It is excellent for cool short seasons for the extreme north. Lb 25c, postpaid, pk. 50c, bu. $1 75, bag (2½ bu.) $4.00.

**Pride of the North.** (90 Days.) Minnesota grown. A valuable variety for the North; matures early Planted as late as July 4th it has fully matured by October 1st. The ears are from 8 to 10 inches long, 14 to 16 rowed The kernels are closely set and of a light orange color. Stalks six to eight feet. Lb. 25c, postpaid; pk. 50c, bu. $1.50, bag (2½ bu.) $3 50.

**Sure Crop.** Minnesota grown. For illustration see inside front cover. For description see page 6. Lb. 25c, postpaid; pk. 50c, bu. $1.75, bag (2½ bu ) $4.00.

**White Cap Yellow Dent.** A corn for thin soils and drought stricken sections. Ears large, sixteen to eighteen rowed. Stalks stout, 6 to 7 feet high, with abundant foliage. Ears average 8 to 10 inches in length, cob small. White Cap Yellow Dent will be appreciated by those living in drought-stricken districts, and by farmers who have poor, thin soil on their farms. Lb. 25c, postpaid; pk. 40c, bu. $1.40, bag (2½ bu.) $3 25.



MINNESOTA KING. 2-3 Natural Size.

EXTRA EARLY DAKOTA QUEEN. Ear Natural Size.

# A RECORD UNEQUALED.

The seed we offer of this variety is grown at our Mayfield Seed Farms, substantiating the fact that this sort will mature as far north as the central part of Minnesota.

**Alfred Rose, Yates County, N. Y., raised 213 bushels of shelled Mastadon Corn on one acre. A heavier yield by over twenty-five per cent than any other variety.**

## We are Headquarters for this Corn.

**Fred Newman, Ferry, Mich., writes: From four quarts of your Early Mastadon Seed Corn I raised 98 bushels. Your seed gives perfect satisfaction.**

**Don't Grow a Poor Yielding Corn when for a little more you can buy our Heavy Yielding Early Mastadon.**

## THE WONDER OF THE CORN WORLD.

Since its introduction more seed of this variety has been sold than any sort ever introduced, and more bushels of it are now used by the seed trade in filling orders than any other variety of field corn. This, in itself, is a great recommendation for the merit of the Mastadon corn. **The Mastadon corn has the longest grains and largest ears of any 100-day corn in cultivation and will outyield any corn in the world.** In the celebrated American Agriculturist corn contest it far outyielded every other yellow corn in America. Alfred Rose, of Yates County, N. Y., grew on one acre 15,898 pounds of ears or 213 bushels of shelled corn, and George Cartner, Pawnee County, Neb., grew from one acre 11,380 pounds of ears of 171 bushels of shelled corn. The largest yield of corn ever known in Ohio was a field of Mastadon grown on the Sage farm in 1894. We can produce any amount of testimonials from reliable farmers of yields of over 100 bushels shelled corn per acre. It is the strongest grower and largest yielding corn in cultivation. It husks easy for so large a corn and shells easy, and has the longest grains of any kind we know of. Any one wishing proof of the above yield can obtain same by writing Alfred Rose, of Penn Yan, Yates County, N. Y. We have each year carefully selected our stock of this corn until now we have a fixed pure type of this wonderful yielding corn, **and to obtain the genuine pure stock direct from the originator buy only of us. 1,600 grains have been counted on one cob. Ears average 9 to 11 and 12 inches long, 20 to 36 rows on the cobs, many stalks bearing 3 to 5 large ears, some ears weighing 2 lbs. each and the most handsome shape ever seen.** We do not think too much can be claimed for this wonderful variety. **Lb. 25c, postpaid; pk. 50c, bu. $1.50, bag (2½ bu.) $3.50, 10 bu. $14.00.**

**Iowa Silver Mine.** A standard variety of White Dent Corn, which is remarkable for its large yields. Two hundred and fifteen bushels of shelled corn were grown on an acre. Stalks grow to a height of seven to eight feet, ears set three and one-half to four feet from the ground. The ears are uniform in size and shape, with 16 to 20 rows of pure white kernels set on a small, white cob; ears well filled from butt to tip. The cob dries out rapidly, so that it is ready for market very early. Seventy pounds in the ear will make 62 pounds shelled. It is hardy, a great drought resister and will give satisfation wherever planted. **Lb. 25c, postpaid; pk. 40c, bu. $1.40, bag (2 1-2 bu.) $3.25.**

BRANCHING YELLOW MILO MAIZE.

## BRANCHING YELLOW MILO MAIZE.

(See Cut.) Grows from 9 to 12 feet high, stooling from the ground, sending out shoots from the joints. Seed heads grow to great size, often weighing 3-4 of a pound, sometimes a full pound after ripe. Being allied to sugar cane, cattle, horses and hogs will eat it readily. Tests show that during the severe drought, corn dried up within a few feet of it; the Branching Milo suffered but little. Three to five pounds will plant an acre. **Lb. 25c, postpaid; 10 lbs. 60c, 100 lbs. $5.00.**

## MAY'S PROLIFIC COW PEAS

(See Cut.) Cow peas are to the South what clover is to the North and what Alfalfa is to the West. There is now a widespread disposition to plant cow peas farther north than formerly on account of their quick growing habit and their great value for ensilage and soil improvement purposes. It has strong roots and heavy foliage, possessing great fertilizing powers. It draws its nourishment very heavily from the air, and returns it in a richer measure to the soil, thereby enriching it to a degree that is remarkable. **In the cow pea we have a fertilizer and a food at the same time.** If not desired as a fertilizer, it makes a fine fodder for cattle. The cow pea ranks very high as a soil enricher, gathering immense quantities of nitrogen from the atmosphere. The ripe peas contain no less than 18½ per cent of digestible protein. The vines properly cured are a most valuable fodder for cattle and sheep, being richer in protein and fat than the best clover hay. This is not exactly a pea, but belongs more properly to the bean family. It requires a full season to mature and ripen the pods. If desired the pods may be harvested for the grain and the vines plowed under to fertilize the soil. The seed or grain is ground and used for cattle fodder; the leaves and stalks also make good fodder fed green. **Poor sandy land may be greatly improved by plowing under a crop of cow peas and thus made into a fertile loam.** Plant in a thoroughly pulverized soil. If wanted to plow under for manure, sow with a drill, in drills a foot apart. If grown for seed, plant 3 1-2 feet apart and 1 foot in the row, and cultivate thoroughly, using 25 pounds of seed per acre. The yield of peas in a dry state is from 40 to 60 bushels per acre. **Pkt. 10c, lb. 25c, postpaid; bu. $2.50, bag (2 1-2 bu.) $6.00.**

COW PEAS.

## CANADA FIELD PEAS.

(See Cut.) The foliage and habit of growth is quite similar to garden peas. The Canada Field Pea is one of the very best soiling crops at the North, and is largely used for that purpose and for green manuring. It is sometimes grown alone, but the most satisfactory dairy results come from sowing it with oats, rye or barley. It makes good ensilage, and is an admirable food either green or dry for cattle, being highly nutritious and rich in milk-producing elements. It is quite hardy and may be sown early in the spring, and will be ready to cut in May or June. The seed should be sown at the rate of 1 or 1 1-2 bushels per acre.

**Improved Prolific White.** A very prolific sort, yielding all the way from 18 to 40 bushels of fine peas per acre. They are great fatteners. These peas sell at fancy prices dry for eating. **Pt. 20c, qt. 35c, postpaid; pk. 60c, bu. $2.00, 10 bu. $19.00**

**May's Perfection Green.** Height of vine three and one-half to four feet. Of the same general character as the Improved Prolific White, used for the same purposes, but the seed is green in color instead of white. **Pt. 25c, qt. 45c, postpaid; pk. 65c, bu. $2.25, 10 bu. $22.00.**

## CORN, Ensilage Sorts.

**Cuban Giant.** **Unequaled in yield and unsurpassed in quality.** The grains are pure white, very large, broad and long, showy and of good vitality. The fodder grows on the stalks in great quantities and of fine flavor, tender and sweet. **Lb. 25c, 3 lbs. 70c, postpaid; pk. 50c, bu. $1.25, bag (2 1-2 bu.) $3.00.**

**Red Cob.** A large, white, heavy cropping variety, producing from 50 to 70 tons per acre. The fodder is sweet, tender, juicy and said to contain more nourishment than any other variety. It grows from 14 to 15 feet in height. **Lb 25c, postpaid; pk. 40c, bu. $1.00, bag (2 1-2 bu.) $2.25.**

**White Cob.** A pure white fodder corn; ears of an immense size, making it a very good variety for feeding cattle during the winter months. **Lb. 25c, postpaid; pk. 40c, bu. $1.00, bag (2 1-2 bu.) $2.25.**

**SOJA BEAN.** (Glycine Hispida.) The Soja Bean is fast coming to the front as a great **soil enricher and as a food for fattening hogs and cattle,** both in the green and dry state. Grows nearly 4 feet in height, heavily podded and has yielded over 10 tons per acre. It is a valuable fodder variety, either for curing, feeding green or for the silo, mixing with corn. It is a rich food unsurpassed as a flesh maker, and like the clovers is a silo improver. Sow broadcast 30 pounds to the acre or plant in drills three feet apart, one foot between plants. **Pkt. 10c, pt. 20c, qt. 35c, postpaid, pk. 75c, bu. $2.50.**

## GREAT BRAZILIAN FLOUR CORN

(See Cut.) **One of the greatest novelties ever introduced. Originated in Brazil, where it constitutes the principal food of the inhabitants. It is truly a marvelous plant. For more than 6 years our seed was always exhausted before the season ended, so great was the demand. You are sure to like it. It grows 8 feet high, and from a kernel sends enough stools to produce 100 ears. Its strong points are:** 1—Twenty-five barrels of flour can be grown from 1 acre, and this flour is of as fine a grade as is made of Dakota hard wheat, which is five times as much as wheat produces per acre. 2—The bread and biscuits baked therefrom are fully as palatable as from any flour known. 3—When boiled in a green state it has no superior among Sweet Corn, while its yield is thrice that of Sweet Corn. 4—Matures in all latitudes where corn ripens. 5—Cultivate as you would corn, allowing 2 kernels to a hill. 6—On our own grounds it yielded at the rate of 100 tons per acre of green fodder, of the most delicious, sweet, tender, juicy, nutritious food we have ever seen. Indeed, it seems as though this will soon rank as the greatest fodder-producing plant in the world. 7—It makes flour in quality equal to wheat. Of course it is not so white, but oh, what delicious cakes and rolls and biscuits! Can be ground on a Family Grist Mill.

**Prices of Brazilian Flour Corn—(For flour, plant 5 qts, per acre; for fodder, 10 qts.) Pkg. 10c, pt. 30c, qt. 50c, postpaid; 5 qts. 75c, 16 qts. $1.50, bu. $2.75, 2 1-2 bu. $6.50**

BRAZILIAN FLOUR CORN.

## SWEET FODDER CORN.

An increasing demand has made us select what we believe to be a variety unsurpassed for fodder. It is a rapid growing corn with a great abundance of leaves, wonderfully tender stalks, and gives by far the greatest yield per acre. Every farmer and dairyman knows the value of a good crop of fodder corn for feeding cattle during the winter months. We have carefully tested our Superior Fodder Corn and find that it gives almost double the nourishment of common varieties. **Price by express or freight, pk. 75c, bu. $2.50.**

### TRIUMPH CORN PLANTER.

(See page 109.) A planter that cannot be too highly recommended. If you have only a small field, it will pay you to use a planter. Every farmer should have one ready for use when planting.

CANADA FIELD PEAS.

# CLOVER AND GRASSES.

**MARKET CHANGES. Owing to the unsteadv condition of the market this season, prices are constantly changing. The prices given here are those ruling at the time this catalogue was publisded, January 1st. Should our prices seem high in any instance, we would consider it a favor if our customers in making up their order for farm seeds in large quantities would write us, and we will be pleased to quote prices ruling at the time received. Or we will fill all orders at lowest market price, as it is our intention to meet the competition of all reliable firms.**

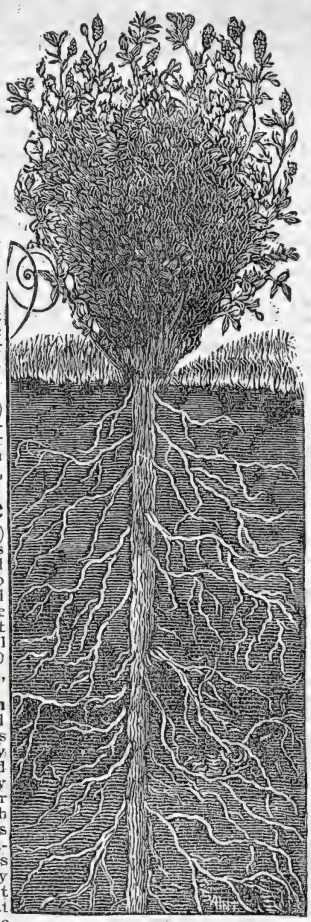
WHITE DUTCH CLOVER.

## Timothy.

(Phleum Pratense.) This seed is worth double that grown in lower latitudes. Try it and be convinced. It thrives best on moist loamy soils and under favorable conditions usually attains a height of about 4 feet. Sow at rate of 12 pounds per acre. **Grade A, lb. 25c, postpaid; Pk. 65c, bu. (45 lbs.) $2.00, 5 bu. or over $1.85. per bu. grade B, pk. 55c, bu. $1.90, 5 bu. or over $1.75 per bu.**

## Alfalfa.

(See Cut.) (Medicago Sativa.) Also called Lucerne, Eternal Clover and Wonder Clover. **This is truly the Farmers friend.** Well adapted to dry sections, but thriving anywhere on well drained soil. It is a perennial plant, lasting many years under good treatment, and may be cut several times each season when well established. As a fertilizing, land enriching crop, it is unequaled. The roots descend 10 to 15 feet into the earth in search of nourishment. One seeding stands for years. **All cattle are fond of it.** Use 30 to 35 pounds of seed per acre. Sow in April or May. An Alfalfa field is well worthy of all care and expense required to produce it. The average yield of green forage per acre for 3 years (including the first year) was 18.27 tons, equivalent to 4 57 tons of hay. The yield the third year from five cuttings was 26.6 tons of green forage, equivalent to 6.65 tons of hay. **Grade A, lb 35c, postpaid; pk. $2.85, bu. (60 lbs.) $10.80; grade B, pk. 2.75, bu. $10.30.**



ALFALFA OR LUCERNE.

## Alsike or Swedish Clover.

(See Cut.) (Trifolium Hybridum.) A very hardy clover. **Perennial.** On rich, moist soils it yields an enormous quantity of hay or pasturage, but its greatest value is for sowing with other clovers and grasses as it forms a thick bottom and greatly increases the yield of hay; cattle prefer it to any other forage. The heads are globular, fragrant and much liked by bees, which obtain a large amount of honey from them. Sow in spring or fall at the rate of 6 pounds per acre, when used alone. **Grade A, lb. 30c, postpaid; pk. $2.50, bu (60 lbs.) $9.00; grade B, pk. $2.30, bu. $8.50.**

## Bokhara Clover.

(Melilotus Leucantha) A rather tall growing white flowered variety that is excellent for bee food, for which purpose it is largely grown in many sections. Sow 10 pounds per acre. **Lb 25c, postpaid; pk. $2.00, bu (60 lbs.) $7.50.**

## Giant Crimson or Incarnate Clover.

(See Cut.) (Trifolium Incarnatum.) This is an annual variety which has been grown largely in the Southern, Middle and Northern states. In good ground it often grows to the height of 2 feet, and even in poor soil where red clover fails it will make a splendid growth. The yield in fodder is immense, and after cutting it at once commences to grow again and continues until cold, freezing weather. Sow at the rate of 10 pounds per acre. **Lb. 25c, postpaid; pk. $1.25, bu. (60 lbs.) $4 00.**

## White Clover.

(See Cut.) (Trifolium Repens.) A small headed white species **that is very fragrant** and exceedingly desirable for mixing with lawn grass seeds. Although it is not a heavy producer, it is of great value for use in permanent pastures, as it affords a most nutritious food for sheep and cattle. This variety will succeed in almost any soil. Usually about 6 pounds are sown to the acre. **Grade A, lb. 35c, postpaid; pk. $3.50, bu. (60 lbs.) $13.00; grade B, pk. $3.25, bu. $12.50.**

SAINFOIN OR ESPARSETTE.

## Sainfoin or Esparsette.

(See Cut.) (Onobrychis Sativa.) A most valuable fodder plant that is largely grown in Europe and in France. While not as long lived as Alfalfa it will generally last from 10 to 12 years. **It is an excellent plant for feeding to cows, as it greatly increases the quantity and richness of the milk.** To obtain the best results seed thould be sown early in the season and covered about two inches deep, and the soil firmed with a roller. Valuable for light, dry, sandy, gravelly, lime stone or chalky soils. Two cuttings may be had each season. Sow 40 pounds per acre. **Lb. 25c, postpaid; 10 lbs. $1.00, 50 lbs. $4.50, 100 lbs. $8.50, by express or freight.**

CRIMSON CLOVER.

## Medium Red Clover.

(See Cut.) (Trifolium Pratense.) This is also listed as "June Clover" by some firms but it is simply Red Clover and we don't want the farmers to thinkit is anything else. **Our seed is carefully grown and selected for seed purposes, we know the government report will back up our claim, which is, that there is no firm in America more particular regarding the purity of their seeds than ourselves.** About 15 or 18 pounds are sown to the acre. For pasturage when sown with grasses it is excellent. It attains a height of 3 feet; is said by many to be the best clover for hay. We are not going to say (as some of our competitors do) that we are the only seedsmen in America who grow Grass and Clover seeds or that can supply good seed, **but there is no firm in the West or Northwest that can beat our "Selected" Medium Red Clover. Grade A, lb. 30c, postpaid; pk. $2.10, bu. (60 lbs.) $7.75; grade B, pk. $2.00, bu. $7.50.**

RED CLOVER.

## Mammoth Red Clover.

(Trifolium Pratense Perenne.) Also called English and Sapling. Well known in many parts of the country, and highly valued for its enormous yield and for reclaiming exhausted land. For hog pasture and as a hog fattener it has no equal, and is far superior to the Common Red or June Clover. Where permanent hog pastures are wanted this variety has given the best results, as it is permanent, and does not freeze out as easily as the Common Red Clover, and is therefore better adapted for fall sowing. It will make very large crops of hay, yielding from 3 to 4 tons per acre. As a fertilizer to plow under green, it is excellent. Sow 8 to 12 pounds per acre. **Grade A, lb. 25c, postpaid; pk. $2.10, bu. (60 lbs.) $7.75; grade B, pk. $2.00, bu. $7.50.**

ALSIKE OR SWEDISH.

# LAWN GRASS.

**HOW TO MAKE AND CARE FOR A LAWN**—This useful leaflet will be mailed free to all who ask for it when ordering.

**Prices on quarts include prepayment of postage by us. Pecks and bushels are sent by express or freight at purchaser's expense.**

## May's Special Golf Link Mixture.

This mixture is composed of grasses best suited for golf links, and is the result of experiments conducted on our grounds, as well as careful watching for several years of practical results obtained on golf links sown with our grass seeds. By the use of these mixtures and with proper care and attention, the finest golf links in the world can be successfully rivaled. **Qt. 25c, pk. $1.00, bu. $3.00.**

## Shady Nook Mixture.

In many lawns where there are large shade trees there are shady places where ordinary mixtures thrive but poorly or die out altogether. For such spots we have a special mixture of grasses, which will grow in the shade as well as in the sun. If you have shady, barren places in your lawn, try our Shady Nook Mixture. **Qt. 30c, pk. $1.10. bu. $4.00.**

A LAWN SOWN WITH CENTRAL PARK MIXTURE.

## Central Park Mixture.

(See Cut.) For lawns of any extent we recommend this as our best mixture. One quart will sow 300 square feet; three to four bushels will sow one acre. **Qt. 20c, pk. $1.00, bu. $3.00.**

## May's Terrace Sod Mixture.

A special mixture of grasses for sowing on terraces and side hills, producing strong, spreading roots, thus preventing heavy rains from washing out. It will withstand drought and exposure and thrive on shallow soils and at the same time produce a rich green lawn throughout the season. **Qt. 25c, pk. $1.00, bu. $3.00.**

## Evergreen Mixed Lawn Grass.

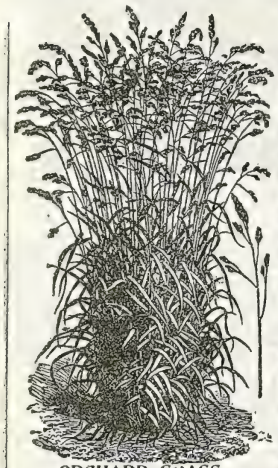
This is a good mixture, but does not include so great a number of expensive grasses as Central Park Mixture. **Qt 20c, pk. 75c, bu. $2.50.**

## Tennis Court Mixture.

Composed of a variety of fine, dwarf, close growing grasses, which will insure a fine, thrifty and always green sod, especially adapted to the requirements of Tennis Courts, Cricket Fields, etc. Deep and thorough working of the soil should precede sowing of the seed if possible. **Qt. 25c, pk. $1.00, bu. $3.00.**

# EXTRA RE-CLEANED GRASS SEEDS.

**Grasses, Clovers, etc., are subject to market fluctuations. Should our present stock become exhausted we will fill orders at market prices. Prices quoted on one pound lots include the prepayment of postage by us. 5 lb. lots or more are sent by express or freight at purchasers expense.**



ORCHARD GRASS.

## Bermuda.

Grows over and binds the most arid and loose land; valuable for pastures, as well as for hay crops. **Sow 3 to 5 lbs. to the acre. Oz. pkt. 15c. 1-4 lb. 50c, lb. $1.25, postpaid; 5 lbs. $5.00.**

## Creeping Bent.

(Agrostis Stolomiera.) Largely used in mixtures; desirable for croquet and small grass plots. **1 lb will sow a space 15x20 feet. Lb. 30c, postpaid; 10 lbs. $1.75, 100 lbs. $15.00.**

## Crested Dog's Tail.

(Cynosurus Cristatus.) A dwarf growing sort, valuable for dry soils, and hills pastured by sheep; very hardy and little affected by hot or cold weather. **Sow 25 lbs. per acre. Lb. 45c, postpaid; 10 lbs. $3.00.**

## English Rye.

(Lolium Perenne.) Succeeds in almost any soil; desirable for mixing with other grasses. **Sow 20 to 30 lbs. to the acre. Lb. 20c, postpaid; 10 lbs. $1.00, 100 lbs. $6.50.**

## Fowl Meadow.

(Panicularia Vernata.) For pastures and meadows. Prefers low and moist land. A perennial, growing about 2 feet. **Lb. 45c, postpaid; 10 lbs. $2.60, 100 lbs. $25.00.**

## Hard Fescue.

(Festuca Durinscula.) Best adapted to the cool, mountainous regions; makes fine sheep pasture. Hardy perennial, growing 2 to 3 feet high. **Sow 40 to 45 lbs. per acre. Lb. 30c, postpaid; 10 lbs. $1.40.**

## Italian Rye.

(Lolium Italicum.) Desirable for meadows and permanent pastures. **Sow 20 lbs. per acre. Lb. 20c, postpaid; 10 lbs. 90c, 100 lbs. $7.50.**

## Johnson Grass.

A perennial of rapid growth, long, cane-like roots, the stalk and panicle resembling sorghum. **Sow 25 to 30 lbs. per acre. Lb. 25c, postpaid; 10 lbs $1.25, 100 lbs. $10.00.**

## Meadow Foxtail.

(See Cut.) (Alopecurus Pratensis.) An erect perennial. Valuable for permanent pastures; does best on moist soils. **Sow 25 lbs. to the acre. Lb. 30c, postpaid; 10 lbs. $2.00. 100 lbs. $18.00.**

## Meadow Fescue or English Blue.

(Festuca Elatior.) Succeeds best on moist lands. **Sow 25 lbs. per acre. Lb. 25c, postpaid; 10 lbs. $1 00, 100 lbs. $8.50.**

## Meadow Soft.

(Holcus Lanatus.) Desirable for soft, peaty ground; a hardy perennial, 18 to 20 inches high. **Lb. 25c, postpaid; 10 lbs. 80c, 100 lbs. $7.50.**

## Kentucky Blue Grass.

(The Great American Grass.) The old standard grass for pasture and lawns. Every farmer knows it and its good qualities. An old "Blue Grass Farmer," of Central Kentucky, says about it: "Whoever has limestone land has Blue Grass; whoever has Blue Grass has the basis of agricultural prosperity, and that man, if he has not the finest horses and cattle has no one to blame but himself. He can hardly avoid doing well if he tries." Sow about 25 to 30 pounds to the acre for meadow, for lawns 65 to 80 pounds per acre. **Best Fancy Grade, Solid Seed, lb. 30c; by express, 5 lbs. 70c, 25 lbs. $3.25, 100 lbs. $12.00. Extra Recleaned, lb. 25c, postpaid; 5 lbs. 50c, 25 lbs. $2.25, 100 lbs. $8.00. Prime Recleaned Seed, lb. 20c, postpaid; 5 lbs. 40c, 25 lbs. $1.75, 100 lbs. $6.00.**

## Orchard.

(See Cut.) (Dactylis Glomerata.) Suitable for all soils, valuable for pastures, also for mixing with other grasses. **Sow about 30 lbs. to the acre. Lb. 30c, 10 lbs. $1.65, 100 lbs. $16.00.**

## Red Top.

(PERENNIAL.) (Agrostis Vulgaris.) Particularly desirable for permanent pasture. Good for sowing on wet, undrained land that is occasionally overflowed. Sow about 14 pounds chaff per acre and one-fourth that amount of solid seed. **Solid Seed, Fancy Stock, Grade A, lb. 30c, postpaid; 10 lbs. $1.25, 100 lbs. $11.00. Grade B, lb. 25c, postpaid; 10 lbs. $1.00, 100 lbs. $9.50. Chaff, Grade A, lb. 20c, postpaid; 10 lbs. 70c, 100 lbs. $5.50. Unhulled Red Top, lb. 20c, postpaid; 10 lbs. 90c, 100 lbs. $8.00.**

## Rescue.

(Bromus Unioloides.) Grows rapidly, seeds freely. **Sow 30 to 40 lbs. to the acre. Lb. 40c, postpaid; 10 lbs. $3.25.**

## Rhode Island Bent Grass.

(Agrostis Canina.) A valuable perennial. For lawn purposes, if sown alone, sow at the rate of 40 lbs per acre; for pasturage, 24 lbs. per acre. **Lb. 40c, postpaid; 10 lbs. $2.25.**

## Rough Stalk Meadow.

(Poa Trivialis.) Closely related to Kentucky Blue. A perennial, grows 2 to 3 feet high. **Sow from 25 to 30 lbs. to the acre. Lb. 40c, postpaid; 10 lbs. $2.50.**

## Sweet Vernal.

(Anthoxanthum. Odoratum.) Valuable for mixing with pasture grasses. **Sow 2 to 3 lbs. to the acre when mixed. Lb. 25c, postpaid; 10 lbs. $1.50, 100 lbs. $13.00.**

MEADOW FOXTAIL.

## GRASS SEEDS---Continued.

TALL FESCUE.

**Sheep Fescue.** (Festuca Ovina.) A short, dense growing grass. Highly recommended for sheep pastures. Sow 35 lbs. per acre. Lb. 25c, postpaid; 10 lbs. $1.50, 100 lbs. $12.00

**Tall Fescue.** (See Cut.) Festuca Elatior.) Highly valued for permanent meadows. Adapted for low lands. Lb 30c, postpaid; 10 lbs. $2.50

**Water Fescue.** Roots long, creeping; prefers a rich, muddy soil. Lb. 35c, postpaid; 10 lbs. $3.00.

**Tall Meadow Oat.** (Avena Elatior.) Height three to four feet. Makes fine hay; will bear cutting three times. For mixing with Perennial Rye and Alfalfa for sandy soils, it is excellent. Sow about 30 to 40 lbs. per acre. Lb. 30c, postpaid; 10 lbs. $1.80, 100 lbs. $17.00.

**Serradella** (See Cut.) The greatest honey producing plant in the world. Its nutritive value is superior to Red Clover and the yield is much heavier. Thrives on any soil. All kinds of cattle like it and sheep are particularly fond of this splendid plant. Lb. 25c, 3 lbs. 60c, postpaid; 10 lbs. $1.15. 100 lbs. $10.00.

THE HONEY PLANT.

## MAY'S SPECIAL MIXTURES of CLOVERS and GRASSES

### SUITABLE FOR ALL SOILS.

With the growing demand during the past few years for extra fine pastures and meadows, we have had numerous inquiries from our patrons, asking us to make different mixtures for different soils and requirements. Following we give a number of high grade mixtures, suitable to all soils and requirements. These Clover Grass Mixtures are selected with the greatest of care and composed of such varieties as are best adapted for different kinds of soils and various purposes. From our own experience, as well as from the experience gained by corresponding with our customers in every part of the country, we are enabled to select in these Clover Grass Mixtures not only the varieties that are suited to the soil, but have them in the right proportion in each mixture. In every instance we mention the quantities which we recommend to be sown per acre, and not only have these proven to be sufficient in our own experiments carried on during several years, but they have proven to be equally successful and sufficient with our patrons.

**PRICES—Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 13, per lb. 25c, postpaid; 5 lbs. 60c, 100 lbs. $11.00. No. 10, per lb. 25c, postpaid; 5 lbs 70c, 100 lbs. $13 00.**

### CLOVER--GRASS MIXTURES FOR PERMANENT MEADOWS.

**No. 1**—For moist ground and rich soils. Sow 18 lbs. per acre.

Meadow Foxtail. Italian Rye Grass. Sweet Vernal. Meadow Fescue. Timothy. Alsike. Tall Meadow Oat Grass.

**No. 2**—For moist ground which is occasionally overflowed. Sow 16 lbs. per acre.

Tall Fescue. Red Top. Timothy. Meadow Fescue. Meadow Foxtail. Alsike.

**No. 3**—For high and dry ground, light or medium soils. Sow 20 lbs. per acre.

Red Fescue. Timothy. Red Clover. Crested Dogstail. Sweet Vernal. Lucerne. Hard Fescue.

**No. 4**—For high and dry ground, heavy or strong soil. Sow 20 lbs per acre.

Tall Meadow Oat Grass. Sweet Vernal. Timothy. Hard Fescue. Red Top. Red Clover. Meadow Fescue. English Rye Grass. Alsike.

**No. 5**—For top seeding on marshes and swampy places, occasionally overflowed, the following mixture is adapted. Sow 10 lbs. per acre.

Meadow Foxtail. Tall Fescue. Floating Meadow Grass. Red Top. Water Spear Grass.

**No. 6**—For light, sandy and gravelly soils. Sow 20 lbs per acre.

White Clover. Hard Fescue. Soft Brome Grass. Red Top. Rescue Grass. Bromus Inermis. Sheep's Fescue.

### CLOVER GRASS MIXTURES FOR PERMANENT PASTURES.

**No. 7**—For moist ground and rich soils. Sow 20 lbs. per acre.

Meadow Fescue. English Rye Grass. Red Top. Fowl Meadow. Italian Rye Grass. Alsike. Meadow Foxtail. Blue Grass. White Clover. Orchard Grass. Timothy. Red Clover.

**No. 8**—For high and dry ground, clay or heavy soils. Sow 22 lbs. per acre.

Red Fescue. English Rye Grass. Timothy. Meadow Fescue. Italian Rye Grass. Red Clover. Tall Meadow Oat Grass. Blue Grass. White Clover. Orchard Grass. Alsike.

**No. 9**—For high and dry ground, light soils. Sow 22 lbs. per acre.

Hard Fescue. Lucerne. English Rye Grass. Red Fescue. Yellow Oat Grass. Red Clover. Meadow Fescue. Red Top. White Clover. Crested Dogstail.

**No. 10**—To improve pastures by top seeding, or for low, rich, marshy ground. Sow 10 lbs. per acre.

Fowl Meadow. Tall Fescue. Creeping Bent. Red Top. Alsike.

**No. 11**—For top seeding for wood pastures, orchards and other shady places. Sow 10 lbs. per acre.

Tall Meadow Oat Grass. Sweet Vernal. Timothy. Orchard Grass. White Clover. Meadow Foxtail. Blue Grass. Alsike.

**No. 12**—For sheep pastures on light, sandy soils or dry uplands and hillsides. Sow 22 lbs. per acre.

Sheep's Fescue. Crested Dogstail. Sweet Vernal. Hard Fescue. White Clover.

**No. 13.**—This is intended for dairymen and others, who wish to mow an early crop of hay, and use the meadows for pasture the remainder of the season. Sow 20 lbs. per acre.

Timothy. Orchard Grass. Tall Meadow Oat Grass. Red Clover. Meadow Foxtail. English Rye Grass. Alsike. Meadow Fescue. Italian Rye Grass.

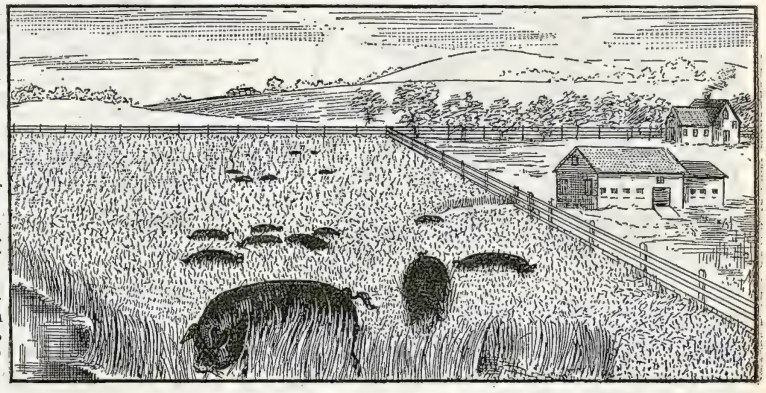
## May's Famous Hog Pasture Mixtures.

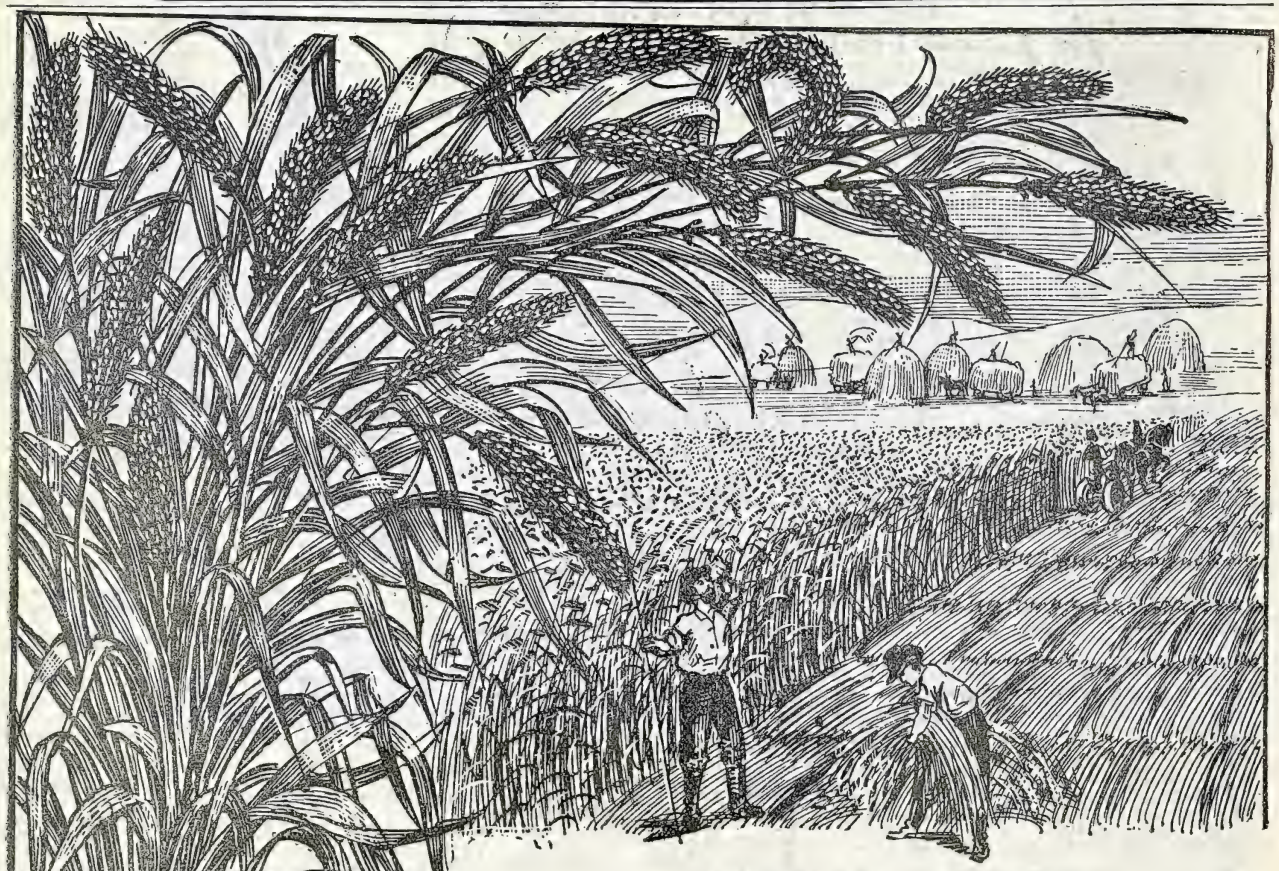
**We have given special attention to the selection of the varieties and to the making up of the mixtures for Hog Pastures.** For several years past we have made up for a number of our customers a special mixture for their Hog Pasture. **In our experience we find that hogs can be raised more profitably on grass and clover than on corn only.** Land that will produce corn will grow a fine crop of grass and clover easily, and it is just as easy, and certainly more convenient, to provide clover and grasses as corn, as the pigs will do the work themselves, gaining in flesh, besides keeping healthy and strong. Quick results and a full crop and use of the pasture can be had the first summer from the properly selected mixture.

**No. 1.** Hog Pasture, clover grass mixture for quick results and a full crop the first year. When sown early in the spring the heavy growth of the grasses and clover will furnish a fine pasture throughout the summer. By careful experiments we find that Crimson Clover, in the right proportion, used with other grasses, is well adapted to this mixture. Mammoth Clover, English Rye, Italian Rye, Crimson Clover, Tall Meadow Oat. Sow 15 pounds per acre. **10 lbs. $1.15, 25 lbs. $2.75, 50 lbs. $5.25, 100 lbs. $10.00.**

**No. 2.** Specially adapted for a permanent pasture. The grasses contained therein are A No. 1. They sink their roots deeply, and furnish a great abundance of herbage the entire season. We cannot too strongly recommend this for permanent pastures: English Blue Grass, Orchard Grass, Mammoth Clover, Rough Stalk Meadow, Alsike Clover, White Clover, Timothy. Sow 15 pounds per acre. **10 lbs. $1.15, 25 lbs. $2.75, 50 lbs. $5.25, 100 lbs. $10.00.**

**No. 3.** Pasture mixture for quick results and a full crop the first year. When sown early in the spring the mixture will afford an excellent growth and will furn sh a fine pasture throughout the entire season. Soja Beain, Vetches, Rape, Field Peas, Japanese Millet, Sugar Cane, Speltz. Sow 100 pounds per acre. **10 lbs. 75c, 25 lbs $1.25, 50 lbs. $2.25, 100 $4.25.**





## A Field of Siberian Millet.

**Valuable for all sections of America. It is the greatest stooler ever introduced. Six quarts will sow an acre. Nothing since our introduction of Bromus Inermis has created such a sensation in the farming sections of America as the Siberian Millet.** It is, without exception, the heaviest yielding millet in the world, giving several times the yield of any other variety. It has been thoroughly tested in all sections of America and Canada, and the reports from different parts of this country prove that it will in time take the place of all other varieties. **Tests show that as high as eight tons of millet have been cut from one acre, and the quality surpasses that of any other variety.** It does not grow rank or coarse, but the entire stalk is of such excellent quality that it is readily eaten. Although there are numerous blades, they are as fine as can be, making it of the greatest value to farmers everywhere. The various reports received from drought stricken districts show that it will stand more hot, dry weather than any other sort, and it has been known to yield heavily when other varieties failed almost entirely.

**A FEW REASONS WHY THE NEW SIBERIAN MILLET IS THE BEST VARIETY EVER INTRODUCED.**

**1. No other millet equals it in profusion of blades or quality.**
**2. It is extra early, usually about two or three weeks earlier than the German or Golden.**
**3. It surpasses every other millet in yield.**
**4. It makes the best hay, as it produces the greatest profusion of blades, and is unequaled in quality, while the yield is something enormous.**
**5. It is a Russian variety, consequently very hardy, and possessed of unusually vigorous habit.**

**We think the above reports will prove that our Siberian Millet is something that no farmer in America can afford to be without.** The seed costs more, but the yield is so enormous that the first cost is very small compared with the returns. We want to call particular attention to the fact that our **Seed is Northern Grown,** and is consequently hardier and stronger in growth than that secured from lower latitudes. **Lb. 25c, postpaid; bu. $1.10, 10 bu. $ 10.00.**

**Common Millet.** **Lb. 25c, postpaid; pk. 30c, bu. $1.00, 5 bu. $4.50, 10 bu. $8.00.**

**Hog Millet.** **Lb. 25c, postpaid; pk. 40c, bu. 90c, 5 bu. $4.00.**

**German or Golden Millet.** True Southern Grown. **This is a medium early millet, growing from 3 to 5 feet in height, and in good seasons has been known to produce over 5 tons of hay to the acre, and from 70 to 80 bushels of seed.** It will grow in almost any soil or climate. **Lb. 20c, postpaid; pk. 40c, bu. $1.10, 5 bu. $5.00, 10 bu. $10 00.**

**Hungarian Millet.** Often called Hungarian Grass. In general favor for summer forage purposes, as it can be sown in June as a second crop, and will be ready to cut in 60 days. It will yield 2 or 3 tons of hay per acre. **Lb. 25c, postpaid; pk. 40c, bu. $1.25, 5 bu. $6.00.**

**Early Fortune.** A most promising new sort, of which astonishing yields are reported. It is very early, and claimed to be rust proof, and that cinch bugs will not eat the plant. **Lb. 25c, postpaid; pk. 40c, bu. $1.10, 5 bu. $ 5.00.**

**Japanese Barnyard Millet.** Has proven an enormous yielder in all sections of the U. S. producing hay and fodder of most excellent quality and growing on any soil. **10 to 12 lbs. per acre broadcast being sufficient. In drills 8 lbs. per acre. Lb. 25c, postpaid; 10 lbs. $1.00, 100 lbs. $9.50.**

A field of May's Early Wonder Wheat. Engraved from a photograph.

# MAY'S EARLY WONDER.

**The Greatest Wheat ever Offered. Most Prolific, Heaviest Stooling, and the Best Milling Wheat that Can be Grown.**

## Five Good Reasons Why "Early Wonder" Should be Sown by Every Farmer in America.

1—It's the heaviest yielding wheat in the world. 2—It is perfectly hardy and can be grown in any section. 3—It's early, and this alone is a valuable point. 4—It makes the choicest flour and is the best milling wheat we know of. 5—It will increase your crops and bring you more money per acre than any other wheat.

**Description.** This, together with Oats and Corn, is the greatest of all the farmer's crops, and no bright, intelligent man who wants to make his farm pay looks at the few extra cents that he has to pay for carefully improved seed stock of any kind. Our Early Wonder Wheat is the result of years of testing and experimenting with all the different varieties which have been offered the past few years, and out ofthe entire lot this wheat was selected, and has been improved each season until we now offer it with the feeling that we have secured wheat which will in time take the place of all other varieties. It has proven to be the most prolific, heaviest stooling and finest milling wheat ever offered, and this is enough to recommend it to any farmer who is a wheat grower. Its being grown for years in the extreme North assures all of its hardiness. This, with its heavy yields and its earliness, will make it the most desirable variety for all sections of America. If you want to get a heavy yield and make money this season, you can do it by sowing the **Early Wonder Wheat, Bonanza King Oats** and **Mastadon Corn, the three heavy cropping farm favorites.**

**Prices:—Pkt. (2 oz.) 10c, lb. 30c, 4 lb. $1.00, postpaid; pk. 50c, bu. $1.60, 10 bu. $15.00.**

**Minnesota No. 163.** Originated at the Minnesota State Experimental Farm, and was introduced by us two years ago. The heads are long, well filled with medium sized, plump kernels. Flour made from this variety shows a higher gluten test than most sorts. The straw is medium height, very strong and wiry, never known to lodge or rust. It stools very heavily, producing enormous crops of No. 1 hard. **Lb. 25c, postpaid; pk. 50c, bu. $1.50, 10 bu. $14.00.**

**Pedigree Blue Stem.** An improved strain of Blue Stem. Yields heavy, not only here at home in the Northwest, where wheat is the main crop, but everywhere and under all conditions. The heads are very large and well filled, the kernel is hard, the plant stools freely, and under ordinary conditions will yield 40 to 50 bushels per acre. **Lb. 25c, postpaid; pk. 50c, bu. $1.50, 5 bu. $7.00, 10 bu. $14.00.**

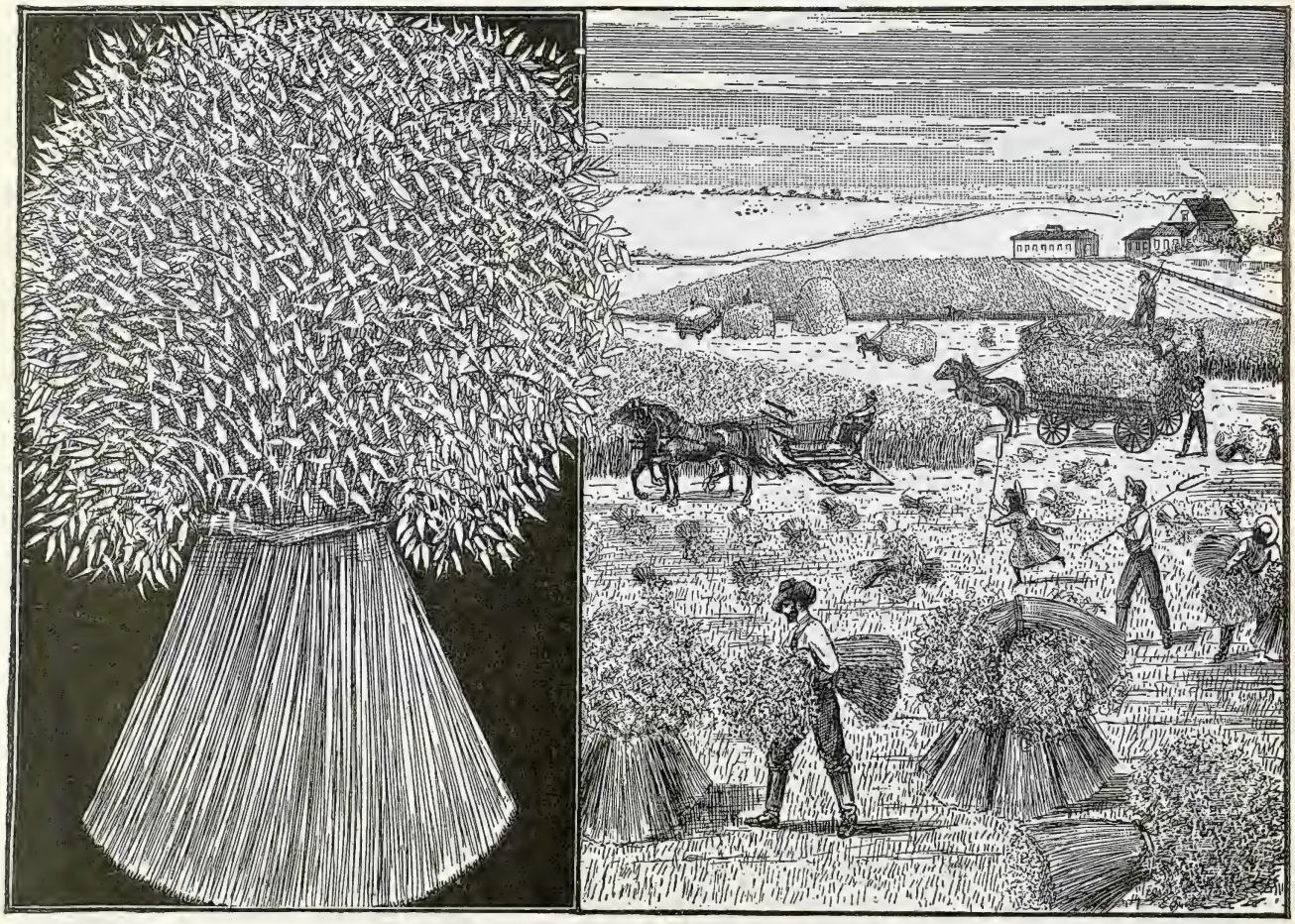
**Saskatchewan Fife.** Noted for its great productiveness, earliness, vigor and freedom from smut and all diseases. The kernels are hard and flinty, whereby it is recognized as an A No. 1 milling wheat, adapted to all states where wheat can be grown. **Lb. 25c, postpaid; pk. 50c, bu. $1.50, 10 bu. $14.00.**

**Macaroni Spring Wheat.** It is not only true that Macaroni Wheat can be grown in dry districts, but they must be grown there in order to produce the best quality of grain. Seeded April 26, it was ripe, cut, threshed and in the granary August 6. The shorter the period required for a wheat to grow the more valuable it will be to a locality subject to summer droughts and hot winds. This wheat gives the best results on new land. Sow at the rate of 1½ bushels per acre. **Lb. 25c, postpaid; pk. 40c, bu. $1.50, 10 bu. $14.00.**

**Reliable Minnesota.** (Winter Wheat.) Beyond doubt the hardiest, most reliable and heaviest yielding wheat ever introduced. **Lb. 25c, postpaid; pk. 60c, bu. $1.50, 10 bu. $14.00.**

**Rye, Spring Dakota Mammoth.** Its greatest value lies in the fact that it may be used as a catch crop, to sow where winter grain has been a failure. Sow at the same time you do spring wheat, at the rate of 1½ bushels per acre. **Lb. 25c, postpaid; pk. 40c, bu. $1.35, 10 bu. $13.00.**

**Rye, Winter.** This is the sure crop for dry country ranches. **Lb. 25c, postpaid; pk. 40c, bu. $1.35, 10 bu. $12.50.**



# BONANZA KING.

**A Record Breaker Oat—Yields of 75 to 143 Bushels per Acre—It has given Great Satisfaction Everywhere and Thousands of Farmers Throughout the Country Having Raised Them say that They Stand at the Head.**

**The straw is very stiff, supporting long heads that stool freely and yield remarkably.** The original seed stock was selected from a crop that weighed **over 45 pounds to the measured bushel.** The grain is as heavy as any in existence today, and from recent tests proves it far superior to any white oats in cultivation. The Bonanza King has been carefully selected and improved for several years until it now stands with a record that has never been equaled. We hope to supply all our customers who want to change their seed and every farmer knows that change of seed is a great benefit, and, as long as such a grand variety can be had at as low a price, we believe it is to their advantage to do so. **Order early** as there promises to be an extraordinary large demand this spring. **Lb. 25c postpaid; pk. 35c, bu. $1.00, 10 bu. $9.00.**

**White Russian.** This splendid oat, although quite extensively grown in some sections, is not as well known as some of the older sorts, and is not receiving the attention it deserves. Some farmers who are not acquainted with the Russian Oat have an idea it is very late. It will ripen from 4 to 6 days later than our earliest oat here in Minnesota. If a quantity of oats are to be sown it is always best to sow two kinds, an early and a late. Sow Scottish Chief for early, and for second early sow White Russian. It will not shell out even if it does get over ripe. Heavy rain storms will not lodge it, for it grows such stiff and strong straw. The kernels are of good size and uniform length. The heads are long, heavy laden, curve gracefully downward, sometimes nearly a foot in length, with kernels crowded closely together. It is in fact the prettiest white oat introduced, and will always bring the highest price on the market. In this great grain growing state, Minnesota, the Russian Oats are grown more extensively than any other sort, which speaks well for its superiority in the grain market, as well as its earliness. Our seed of this variety has been carefully selected, and we highly recommend it to our customers. **Lb. 25c, postpaid; pk. 30c, bu. 90c, 10 bu. $8.50.**

**Black Tartarian.** **The most prolific and distinct variety of Black Oats ever introduced.** Many farmers are convinced that Black Oats are more reliable croppers than white, which is to a certain extent true, as they will endure more hardship and exposure and still make a good crop. These oats are the result of an importation of seed from England several years ago, where black oats are much preferred and about three times as many are grown as of white oats. They are fully as good as the white sort for feeding, and are very early. The straw is very stiff, the heads are long, and yield heavy crops of grain, weighing thirty-five to forty-five pounds to the measured bushel. **Claimed by many to be almost drought proof.** Our seed has been carefully grown. They have always been free from rust, mainly on account of vigorous growth and early maturity. **Lb. 25c, postpaid; pk. 35c, bu. $1.25, 10 bu. $10.00.**

**Golden Cluster.** The original seed of this sort was obtained direct from Scotland, and was carefully planted and grown by us. It proves to be very hardy and a vigorous grower. In height it averages about the same as our famous Scottish Chief. The straw is very stiff, and is never known to lodge. It has a record of yielding 105 bushels to the acre, when other varieties in the same field yielded only 50 to 60 bushels. The seed we offer of this sort is grown by us, therefore the genuine. **Lb. 25c, postpaid; pk. 60c, bu. $1.25, 10 bu. $10.00.**

**Lincoln Oats.** This new oat has done remarkably well in all sections. It is very early and thus far proved to be rust proof. It has given wonderful results as a yielder; in one instance 170 bushels were grown from one bushel of seed. Straw is stiff and strong. Grain is handsome and is valuable for feeding as well as grinding for oatmeal, on account of its thin hull and heavy meat. **Lb. 20c, postpaid; pk. 25c, bu. 90c, 10 bu. $8.50.**

**Scottish Chief.—For illustration and description see inside front cover and page 6.**

## RAPE.

**CULTURE**—It can be sown in drills far enough apart to cultivate, or broadcast. If sown in drills, but 7 pounds per acre is necessary. The best way is to sow it broadcast on very clean soil, or to sow it with your spring grain at the rate of 15 pounds per acre. After the grain is removed it will grow rapidly and form excellent pasturage. If sown without cover of grain it matures more quickly and furnishes pasture sooner. In sowing cover it but one inch deep. It is a great soil enricher, and as it is cheap it would not be amiss to sow in all fields where you intend to plow under in the fall, as rape plowed under enriches the soil quickly.

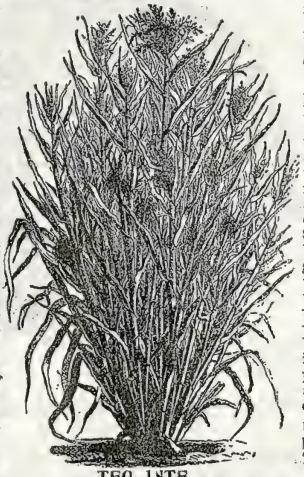
DWARF ESSEX RAPE.

**Dwarf Essex.** **The best forage plant for the sheep growers of America. It is highly recommended by Professor Shaw, of the Minnesota Experimental Station, and many other leading authorities on stock feeding.** It has yielded ten tons of green forage per acre, and has twice the feeding value of green clover. Sheep, swine, cattle and poultry eat it readily, but it is particularly desirable for sheep on account of its fattening qualities. Rape will do well on almost any soil, but gives best results on corn land. Professor Shaw says: "On 54 acres of rape, after winter rye had been removed, 537 sheep and lambs were fattened thereon, and 18 steers fed for 59 days. **The lowest average gain on lambs fed on rape alone was 7 to 8 pounds per month.** Sow it like corn, or broadcast." **Lb. 25c, postpaid; 10 lbs 75c, 50 lbs. $3.00, 100 lbs. $5.00.**

**Dwarf Victoria.** A standard sort of German origin, sold by seedsmen in this country, and highly recommended by agriculturalists both in Europe and America. In our tests we find that Dwarf Essex will surpass it in its vigor of growth and hardiness. We will furnish Dwarf Victoria Rape at the following prices. **Lb. 25c, postpaid; 10 lbs. 90c, 100 lbs. $6.00.**

**SPELTZ.** (See Cut.) **The wonderful Grain from Russia. Russia has given us Bromus Inermis, the most notable addition to our list of grasses in many years She has come to the front with a grain which is fully demonstrated to be of extraordinary value for growth on poor soils and in drouthy sections.** It is neither wheat, rye, nor barley, and yet it appears to be a combination of these. It is more like wheat than any of the others mentioned. **For fattening cattle, poultry, horses, sheep, pigs, etc.,** it is claimed to be ahead of other grains; in fact all kinds of animals seem to thrive on it **Speltz is claimed to be ahead of corn, superior to oats and more profitable than wheat. Yields 80 to 100 bushels of richer food than corn, besides giving as much as 4 tons of good hay per acre.** Excellent for pasture and can also be fed in the green state. As a green grass hay food it often gives 100 leafy stalks from one seed, which show its heavy stooling properties. The heads are somewhat similar to two rowed barley, the spikelets being separated from each other in such a manner that the crop is not easily injured by the weather. It is a heavy yielder. **Will grow well and produce enormous crops** on land where wheat will not grow any longer. It makes excellent pasture and good hay if cut at the proper season. The straw is stiff and does not lodge easily, and the grain does not shell out. Dry weather does not seem to have any effect on it whatever. **It is a wonderful stooler and a robust grower** and can be fed same as oats with the hulls. In some sections the hull is separated from the grain which is ground into flour, same as wheat. Every farmer should grow it. Sow at the rate of 50 to 60 pounds per acre. **Pkt. 10c, lb. 20c, postpaid; 25 lbs. 85c, 50 lbs. $1.50, 100 lbs. $2.25, 500 lbs. $10.00.**

SPELTZ.



TEOSINTE.

**FLAX FOR SOWING.** The demand for this seems to increase each season. The acreage in the Northwest last year was very large indeed. It should be sown late enough in the spring to avoid frost but as early as it is possible to do so in order to secure the early spring rains. When grown for the fibre about one bushel should be sown to the acre, but if for seed alone usually ½ bushel is sufficient. Cut it before thoroughly ripe and if the weather is warm and the earth dry, let it lie in the swath a few hours, when it should be raked and secured for the winter. Thresh during dry weather in the fall months. **Lb. 25c, postpaid; pk. 50c, bu. $1.75.**

**TEOSINTE.** (See cut.) (Reana Luxiurians.) A wonderfully prolific forage plant which somewhat resembles corn, but the leaves are broader and the stalk contains a large amou t of saccarine matter. **Its value lies in the fact that it can be cut several times during the season, and when allowed to remain without being cut attains a height of 12 feet.** Our experience shows that it is particularly adapted to the Middle or Southern States. Seed should be sown after the ground is perfectly warm and the weather settled, at the rate of about 4 pounds per acre. The best plan is to plant in drills, 3 feet apart, putting in 3 seeds about every 12 inches in the drill. **1-4 lb. 35c, lb. 90c, postpaid; 5 lbs. lots, 75c per lb.**

## MINNESOTA EARLY AMBER SUGAR CANE.

(See cut.) This is the only variety of cane that makes a fine syrup, clear as crystal. Cane syrup made from our Early Amber Cane, grown right here in Minnesota, has become famous. All kinds of stock are exceedingly fond of it, and the farmers all over the country are beginning to realize that it is one of the best green fodder plants that can be procured. Its earliness adapts it to almost every section of the country, and its enormous yield often reaching 20 to 25 bushels of seed, and as high as 150 to 250 gallons of syrup per acre, has made it invaluable for large growers. It is exceedingly difficult to procure pure seed, but we believe that the stock we have to offer is the best that can be obtained. **Lb 20c, postpaid; 10 lbs. 50c., 50 lbs. $2.00, 100 lbs $3.50.**

SUGAR CANE.

## VETCHES.

### The Wonderful Sand or Hairy Vetch.

(Vicia Villosa.) (See cut.) Sometimes called the Winter Vetch. This useful plant is noted for its extreme hardiness and promises to be highly valuable as a cover crop to prevent leeching, as well as for forage and fertilizing purposes. It is an annual, but drops its seeds freely, and will come up year after year on the same ground. The Washington Department of Agriculture estimates the value of an acre of this Vetch plowed under equivalent to putting into the ground $16 to $45 worth of commercial fertilizer. One important feature is that a sowing made in August or September covers the ground before winter sets in and prevents washing of the soil during the winter and early spring, thus saving a great portion of soluble mineral fertilizers contained in soil, which otherwise would wash or leech out. **It can also be sown in April and will be ready to cut by the middle of July, the second growth affording excellent hog pasture during the summer.** The yield of green forage varies from **10 to 15 tons per acre, equal to 3 or 4 tons when cured as dried hay.** Sow in drills, using 30 lbs. per acre. **Lb. 25c, postpaid; 10 lbs $1.25, 25 lbs. or over 10c per lb. IMPORTANT—The seed we offer is the true Sand Vetch (Vicia Villosa). Do not confound this with the Spring Vetch (Vicia Sativa) sold by some seedsmen as the Sand Vetch.**

**Spring Vetches or Tares.** These are a species of pea, and grown extensively for stock feeding. They are excellent food for hogs and also a most valuable fertilizer. From 50 to 60 lbs. are sown per acre and cultivated same as field peas. **Lb. 25c, postpaid; 10 lbs. 75c, 100 lbs. $5.50.**

**Kidney Vetch.** Perennial. Valuable for dry sands or poor soils. Sow 25 lbs. to the acre. **Lb. 35c, postpaid; 10 lbs. $2.25**

## MAMMOTH RUSSIAN SUNFLOWER.

Single heads measure fifteen to twenty-two inches in diameter, and contain an immense amount of seed, which is highly valued by all farmers and poultry breeders, who have tried it, as an excellent and cheap food for fowls. **It is the best egg-producing food known for poultry. It can be raised cheaper than corn, and is destined to be an article of great value as soon as it becomes generally known.** Every farmer should plant some of the seed in any waste place of ground any time from early spring up to the middle of July. It is a wonderful improvement on the old native Sunflower, and besides the great value of the seed as a poultry and stock food, its leaves make capital fodder, while its strong, thick stalk can be profitably used as fuel. **Per oz. 5c, per lb. 25c, 3 lbs. 65c, postpaid; 10 lbs. 75c, 100 lbs. $6.00.**

## THOUSAND HEADED KALE.

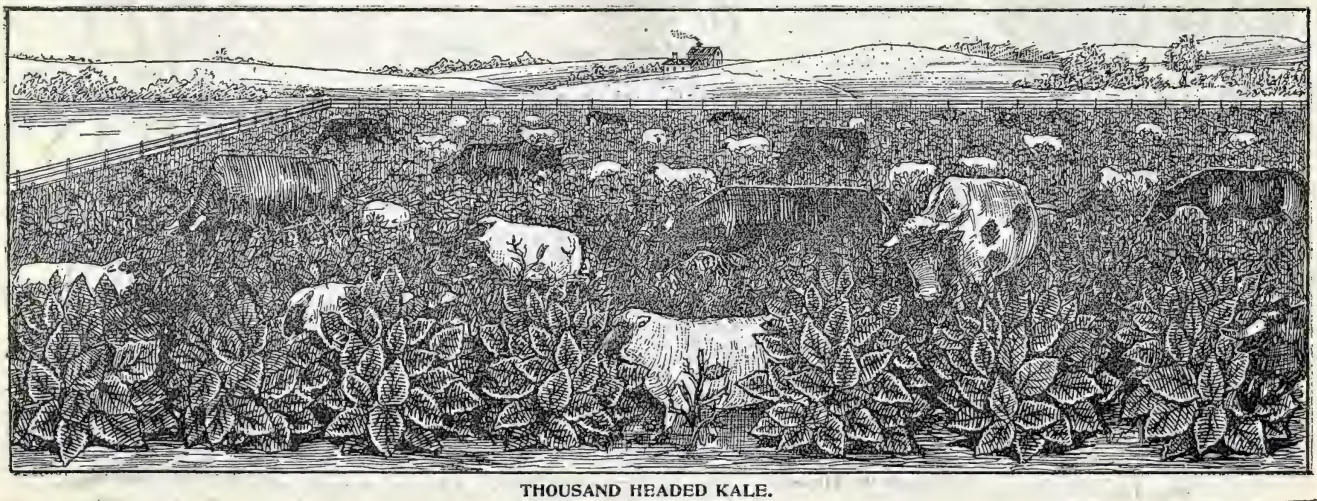
A native of Europe, producing a tremendous mass of beautiful cut and curled leaves, which are long, large and rich, of a beautiful green color, and are eagerly sought and eaten by sheep, horses and cattle. The seed can be sown early in April or any time thereafter until midsummer. The best way is to plant with a garden drill, dropping the seeds about eight inches apart in the row, and the rows twelve inches apart each way. **One pound this way will be sufficient for an acre, but if you wish to sow it broadcast use three pounds per acre.** Our Thousand Headed Kale is hardier than Rape, and therefore becomes a magnificent plant to sow in conjunction with Rape, so that you can figure to pasture sheep, cattle hogs and poultry a month to eight weeks longer by having a few acres of Thousand Headed Kale than you can on Rape alone. It grows to a height of three or four feet, the roots penetrating to a great depth in the subsoil, so that the plant is not affected by drought. It grows with great rapidity after being fed off and flourishes in all kinds of soils. **Lb 35c, postpaid; 10 lbs. $2.00, 100 lbs. $17.50.**

## VELVET BEAN.

This bean is creating a great sensation in the South and Middle North. It is certain to become one of the best of the green manure or fertilizing plants. It is a tremendous grower, very prolific, vines running from 12 to 18 feet long. It is the bean to try everywhere; it no doubt will make as much green herbage as any plant grown. It is new and we urge every farmer to give it a trial this season. **Pkt. 10c, pt. 25c, qt. 35c, postpaid; pk. 75c, bu. $2.25.**

## LUPINS.

**One of the best plants known for reclaiming poor and particularly sandy and old worn out land.** By plowing in the Lupins such land can be made very valuable. It is so highly valued in Germany that it is called the "Gold of the Desert" or Desert Reclaimer. When dried for fodder it is very good for sheep. **Lb. 25c, postpaid; 10 lbs. 90c, 100 lbs. $8.00.**



THOUSAND HEADED KALE.

## GIANT SPURRY.

Spurry is of great value for light or thin ground, and several years' experimenting at the Michigan Agricultural College has proven that it is the only plant which can be grown on poor, sandy, dry soil, that will surely return a paying yield. Dr Manley Stiles, of Lansing, Mich., calls it the clover of sandy soils, yielding 7,700 pounds per acre. In another report to the Michigan Agricultural Station, he says: The Spurry has shown wonderful productiveness. Its value as a manurial plant on light soils is pronounced. It seems to enrich the soil more rapidly than other plants. It is readily eaten by cows, sheep and cattle. The reports received from parties who have tested Giant Spurry are very gratifying indeed. Everybody pronounces it a tremendous hay producer, and by all odds the best green fertilizer. **Lb. 25c, postpaid; 10 lbs** (enough for 1 acre) **95c, 50 lbs. $4.00, 100 lbs $6.90.**

### Why You Should Plant Giant Spurry.

Because it is the most prolific fodder and hay plant for sandy soils, for worn out land, for poor and doubtful soils known.

It flourishes on sandy, worn out soils, where no other plant flourishes, and returns big yields every time.

It comes next to clover as a fertilizer. Take the poorest land or the worst land that you can imagine and sow 20 lbs. of Giant Spurry per acre. Do this two years, and you will have a soil for wheat, oats and potatoes.

The American Agriculturist and all prominent agricultural writers urge the planting of Spurry.

**CULTURE OF GIANT SPURRY.**—It is of very rapid growth and is sown the latter part of March, April or May, at the rate of 10 pounds per acre if wanted for hay The seed is sown broadcast on well prepared soil and covered lightly by harrowing. It germinates quickly, and in from 6 to 8 weeks is ready to cut. It is usually cut for hay the first time, and pastured afterward for the rest of the summer If wanted as a fertilizer, 20 pounds per acre are sown, and when from 15 to 20 inches high, plowed under. Two crops can be plowed under in one year on account of its quick growth

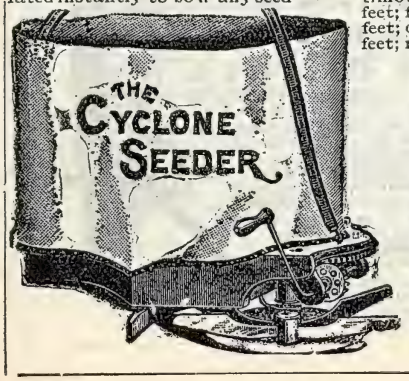
**WILD RICE.** Valuable as an attraction for wild fowls. Sown in large quantities along the edges of ponds, lakes and streams. It can be successfully sown either in the winter or spring, but often the best results are obtained when sown during the fall months, generally about the middle of September. It lies dormant all winter when sown in the fall, and in the spring commences to sprout as soon as the weather becomes warm, reaching the surface generally the first part of June. **It grows very rapidly in one to eight feet of water,** ripening late in August or early in September The best plan is to sow it broadcast from a boat in 2 or 3 feet of water having a mud bottom. In large ponds or lakes it purifies the water, affords a refuge for the small fry from the large fish, as well as furnishing the small fry with plenty of food from the animalculae upon the stocks; for planting in fish ponds it is equally desirable. It also does well along the shores of marshes, and makes a good hay. Its value to the sportsmen as a bait for fowl is being realized more each year. **Lb. 25c, postpaid; 10 lbs. $1.60, 100 lbs. $15.00.**

**$1.25 Each.** A Perfect Seeder,

### May's Eureka Seeder.

**A First-Class, Perfect Seed Sower for $1.25.**

This sows any seed perfectly as well as the Cyclone. It is well and strongly made and sells for 50 cents less. In using this machine there is no chance for skipping, even if you do not walk exactly straight or take long steps, as some of the seed is continually being thrown 8 to 10 feet ahead of operator, and sufficient lap is made on account of not seeding so heavy at edges, that a slight crook will not be noticed. Can be regulated instantly to sow any seed



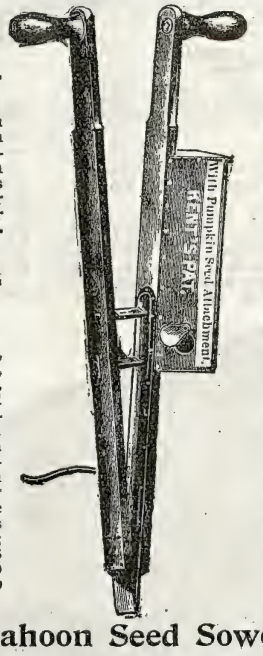

### Triumph Corn Planter,

**With Pumpkin Seed Attachment, for $1.00.**

This is made by the same firm which turns out the well known "Triumph," but has the additional feature of a Pumpkin Seed Attachment, which makes it particularly valuable for farmers. **Triumph Corn Planter without Pumpkin Seed Attachment, 80 cents.**

### The Cyclone Seeder, $1.75.

Will sow timothy, clover, wheat, oats, rye, buckwheat, hungarian, bone dust, red top, turnip, millet, corn, cotton and all other grains and seeds perfectly even and any desired amount to the acre, and from 40 to 60 acres a day. The machine is strictly first-class in every respect; the bag or hopper is extra large and made from heavy ducking. It sows clover 36 feet to a round; timothy, 27 feet; millet, 36 feet; flax, 36 feet; wheat, 50 feet; oats, 36 feet; barley, 40 feet; rye, 50 feet, etc.



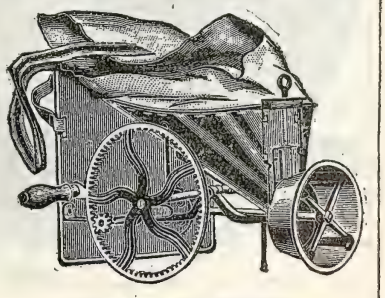

### Champion Dry Powder Gun.

This useful machine supplies a long felt want in that it applies the pure Paris Green in dust form direct to the potato vines, killing the bugs quicker and more effectually than in any other manner. The long tubes carry the dust away from the operator so far that there is no danger of poisoning. Two rows can be powdered at a time. A man can green ten acres quicker with this machine than he could one with the old fashioned sprinkling cans. It is invaluable to large growers and a very handy machine for the Garden, Vineyard, Tobacco Fields and a hundred other places which will suggest themselves if you have one. It is very strongly built, is light, weighing but 6 lbs. (13 lbs. when boxed). The tubes are adjustable to any width of row and are in sections so that any length can be used. There are four styles of nozzles with each machine, adjustable waste strap, front piece, etc. with each machine **$7.50 each.**

**Little Giant Duster.** This is a smaller machine made on the same principle as the **Champion** or private gardens and small truckers **$5 each.**

### Improved Cahoon Seed Sower.

The old standard make for sowing wheat, oats, hemp, barley, rye, buckwheat, grass seeds, etc. The grain is held in a tight sheet-iron hopper, surrounded by a bag, which will hold a bushel of seed. This is suspended by a strap from the operator's neck, and held in position by a strap aroond the waist. The seed is thrown from 8 to 20 feet on each side of the operator the heaviest seed being, of course, thrown the greatest distance. A man will easily sow from 4 to 6 acres per hour with this machine which weighs 5½ pounds. **$3.00 each.**



CAHOON SEED SOWER.

**For Cultivators, Sprayers and Sundries see page 109 to 111.**

**Improved Acme Potato Planter. Page 50.**

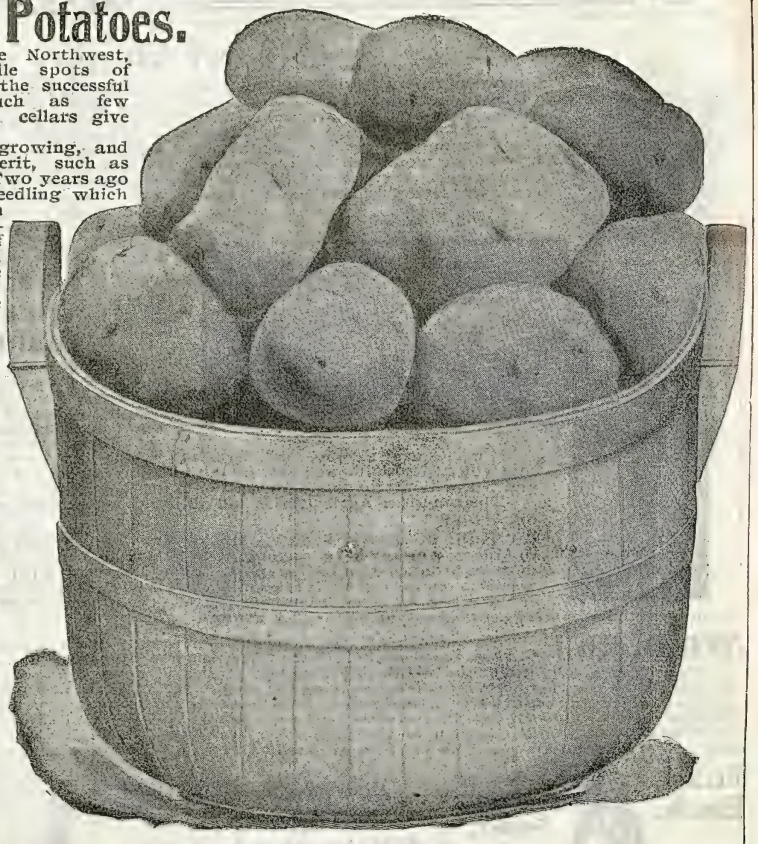
# Northern Grown Seed Potatoes.

Our Potato Farms being the most extensive in the Northwest, situated in Washington County, one of the most fertile spots of Minnesota, and where the soil is most conducive to the successful cultivation, we supply our customers with stock such as few seedsmen are in a position to do Our large storage cellars give us special facilities for handling our stock

We have for years made a specialty of potato growing, and have introduced several new varieties of great merit, such as the Algoma, Bismark, May's Late and many others Two years ago we introduced the Netted Gem, (the great Montana seedling which we illustrate on the inside front cover,) which we feel eclipses all the other varieties of late introduction Our extensive experiments have led us to select stock of extraordinary quality, and our patrons can be assured that if early, medium or late sorts are required they will receive same true to name.

We ask a careful perusal of our list, and our prices will be found low considering the quality and variety.

**We are often asked if we ship more than one variety of potatoes in a barrel This we do, placing one kind in the barrel loose, the rest in separate sacks, making no extra charge for bags, barrels or packing**



SIR WALTER RALEIGH.

## SIR WALTER RALEIGH.

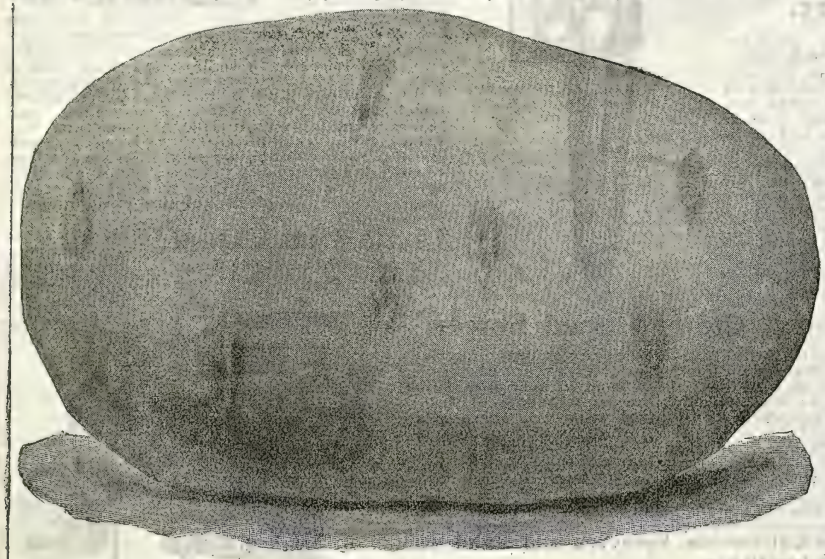
(See cut.) **A grand new potato, a quick maturing main crop variety. of best keeping qualities and rare productiveness.** A new white skin, main crop potato. It is a splendid new potato, much resembling Rural New Yorker No. 2, of which it is a seedling. It is decidedly better than its parent, the tubers being quite uniform in size, with but few small ones among them. It is from 4 to 6 days later than the parent stock. The color is the same, the skin and flesh being white In fact it can be justly claimed for Sir Walter Raleigh that it is the whitest fleshed and finest grained potato on the whole list of main crop sorts, not even excepting the Snowflakes It promises to supersede all other sorts of its class on account of its sterling excellence. On the grounds of the Rural New Yorker it proved the best and heaviest croper of 49 varieties. Farmers who plant this sort are practically certain of getting big returns on their investment, as it invariably yields big crops and the potatoes always bring a good price on the market **Lb 25c, 3 lbs 70c, pk 65c, bu $2.25, bbl., (2 3-4 bu.) $5.50.**

**EARLY HARVEST.** A beautiful oblong early potato of the greatest vigor and a heavy yielder. For an early potato this has no superior. Resembles somewhat the Polaris, but much more vigorous and productive, and of the very best quality. **Lb 25c, 3 lbs. 70c, pk. 65c, bu. $2.00, bbl. (2 3-4 bu.) $5.00.**

**Early Market.** (See Cut.) Grows a rather spare, upright top, matures its crop very quickly, and produces heavy yields of large, smooth potatoes, with very few small ones. Lb. 25c, pk. 65c, bu $2 00, bbl (2 3-4 bu ) $5 00

**Bliss' Red Triumph.** Color, a beautiful light red. Size, medium, very uniform in growth. Shape, nearly round; flesh white, very mealy when cooked. **Lb. 25c, pk 65c, bu. $2 00, bbl (2 3-4 bu.) $5.00.**

**Early Fortune.** A strong grower In form and color it resembles the Early Rose, but in quality it surpasses it The quality, shape and color are of the best. We have raised this potato ourselves on a large scale, and find it to be a very early sort and a splendid cropper. **Our customers can make no mistake in planting the Early Fortune. Lb 25c, pk. 65c, bu. $2.00, bbl. (2 3-4 bu.) 5.00.**



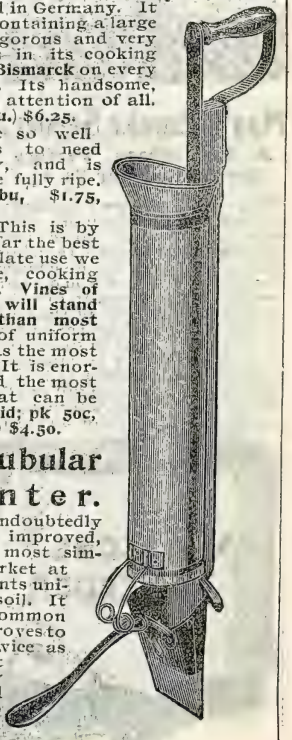
EARLY MARKET.

**Bismarck.** **A luxuriant, healthy grower, free from disease, blight, scab or rot.** A medium early sort which we introduced last season; originated in Germany. It is of medium length, smooth, white, containing a large per cent of starch. The vines are vigorous and very productive Its crowning merit lies in its cooking qualities, which will ultimately place **Bismarck** on every table where quality is appreciated. Its handsome, pure white appearance attracts the attention of all. **Lb. 25c, pk. 75c, bu. $2.50, bbl. (2 3-4 bu.) $6.25.**

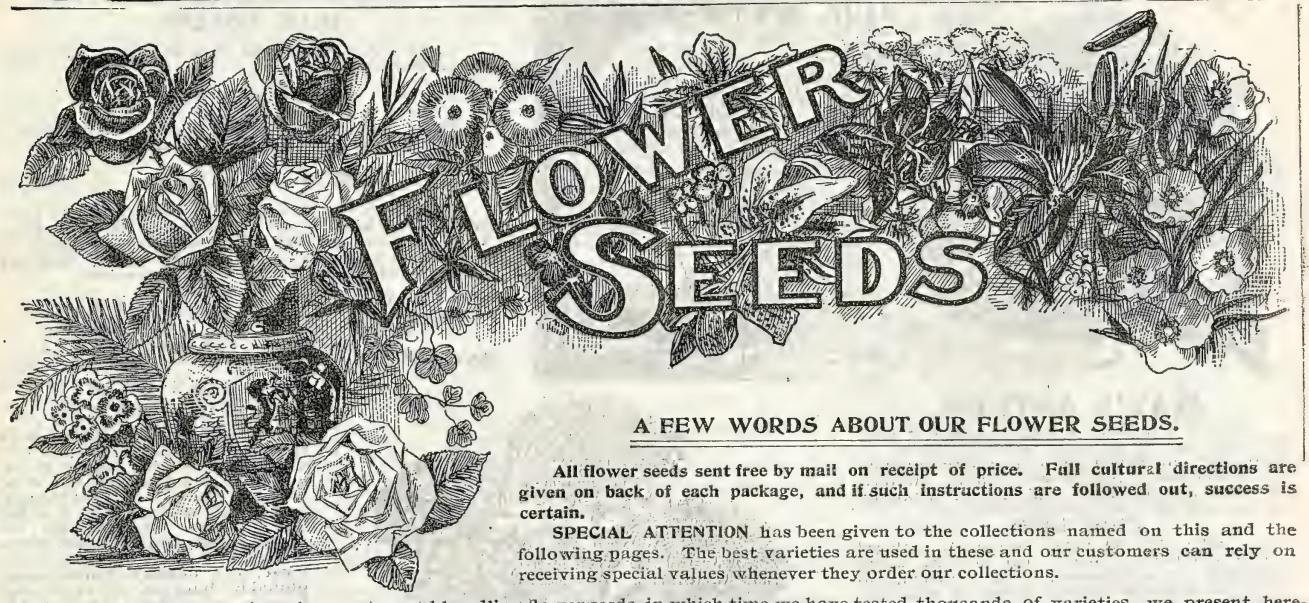
**Early Ohio.** These are so well known as to need hardly any description. Very early, and is always fit for use before fully ripe. **Lb 25c, pk. 50c, bu, $1.75, bbl. (2 3-4 bu.) $4.50.**

**May's Late.** This is by far the best potato for general and late use we know of. Flesh white, cooking qualities unsurpassed. **Vines of vigorous growth, and will stand the drought better than most varieties** The tubers of uniform size. We regard this as the most valuable late variety. It is enormously productive, and the most profitable potato that can be grown. **Lb 25c, postpaid; pk 50c, bu. $1.75, bbl. (2 3-4 bu.) $4.50.**

## The Acme Tubular Potato Planter.



**$1.00.** This is undoubtedly the most improved, strongest and yet the most simple planter on the market at the present time. It plants uniformly in all kinds of soil. It is far ahead of the common Acme, and experience proves to us that it is worth twice as much to any farmer. It does its work quickly and equally as well as many of the potato planters sold at ten times its price. **$1.00.**




## A FEW WORDS ABOUT OUR FLOWER SEEDS.

**All flower seeds sent free by mail on receipt of price. Full cultural directions are given on back of each package, and if such instructions are followed out, success is certain.**

**SPECIAL ATTENTION** has been given to the collections named on this and the following pages. The best varieties are used in these and our customers can rely on receiving special values whenever they order our collections.

After many years experience in growing and handling flower seeds, in which time we have tested thousands of varieties, we present herewith a list of choice sorts, such as we know are of easy growth and well fitted for successful cultivation by amateurs.

By careful test and selection each year we are enabled to offer our customers the choicest stocks only. **OUR SEEDS ARE ALL TESTED** for purity of type as well as germinating qualities, so that none but **THE BEST** are sent to our customers.

**Annuals** bloom and die the first season from seed. **Biennials** are varieties which produce leaves the first year and bloom the following season; however, a large number, if the seed is sown early, will produce an abundance of flowers the first season. **Perennials** are varieties that last year after year and blossom annually.

**Cultural Suggestions.** Rich, light, sandy loam is best adapted to growing flower seeds. Extreme care should be taken in planting, to see that seeds are not covered too deeply, for therein in a great measure depends the success or failure of cultivation. A good rule to follow is never sow fine seed deeper than half an inch, extra fine seed on surface only, pressing soil firmly, and coarse, heavy seed from 1 to 2 inches deep. Keep moist till they are up, then give plenty of air in fine weather so they will grow stocky. To procure strong, healthy plants, transplant when about two inches high into pots or shallow boxes, and give them plenty of air, water and sunlight.

**EXTRAS FREE.** While we do not offer any premiums on flower seeds we invariably give extras of our selection amounting to at least 25 per cent. of the value of the order, if it amounts to $1.00 or over. This rule, however, does not apply to special offers, nor to florists and others who buy seed in bulk.

### ABROBRA VIRIDIFLORA.
**Perennial.**

A quick growing, half hardy climber with rich, dark green foliage and bright scarlet fruit. **Pkt. 5c.**

### ABRONIA UMBELLATA.
(Sand Verbena.) **Annual.**

A pretty trailing plant producing clusters of sweet scented Verbena like flowers of a rosy lilac hue with a white eye. **Pkt. 5c.**

### ABUTILON.
(Flowering Maple.) (Chinese Bell Flower.)
**Tender Perennial.**

Elegant plants for house or conservatory culture—Beautiful, drooping, bell shaped blossoms.

**FINE MIXED.** Of various shades and colors. **Pkt. 5c.**
**BOULE DE NEIGE.** Pure white. **Pkt. 5c.**

### ACANTHUS LATIFOLIUS.
**Hardy Perennial.**

Valuable for its tall, stately foliage and long spikes of bloom. **Pkt. 5c.**

### ACHILLEA.
**The Pearl.** (Sneezewort.)
**Hardy Perennial.**

Most beautiful double, pure white blossoms borne in clusters in great profusion during the summer months. One of the best and hardiest in our entire list. **Pkt. 5c.**

### ACONITUM NAPELLUS.
(Monk's Hood or Wolfsbane.)
**Hardy Perennial.**

Produces long spikes of helmet shaped flowers. Fine for planting among shrubbery or in shady corners of the garden. **Pkt. 5c.**

### ACROCLINIUM.
**Annual.**

Lovely white and rosy pink flowers, which, in the bud state, can be dried and used in winter bouquets.

**ALBUM,** white. **ROSEUM,** Pink. **MIXED,** all colors. **Pkt. 5c.**

## COLLECTIONS.

For the benefit of our patrons who do not know just what to select we offer the following collections of our selection. They are sure to please and oftentimes rare and valuable varieties will be found among them.

**NO. 49.** 6 Packets Summer Flowering Annuals. **25c.**

**NO. 50.** 12 Packets Summer Flowering Annuals. **50c.**

**NO. 51.** 25 Packets Summer Flowering Annuals. **$1.00.**

**NO. 52.** 6 Packets Hardy Perennials. **25c.**

**NO. 53.** 12 Packets Hardy perennials. **50c.**

**NO. 54.** 12 Packets Quick Growing Annual Climbers. **50c.**

**NO. 55.** 12 Packets Easy Growing Annuals for House Culture. **50c.**

**NO. 56.** 12 Packets Quick Growing Annuals suited for Porch or Window Boxes. **50c.**

**NO. 57.** 12 Packets Choice Growing Annuals for Bouquets, etc. **50c.**

**NO. 58.** An Old-Fashioned Garden—12 Pkts. Choice Perennials. **50c.**

**NO. 59.** Everlasting Flowers—6 Packets—Separate sorts. **25c.**

### ADONIS.
(Pheasants Eye.)

**AESTIVALIS. Annual.** Bright scarlet blossoms. **Pkt. 5c., oz. 20c.**
**VERNALIS. Perennial.** Very showy, yellow flowers. **Pkt. 5c., oz. 25c.**

### AGERATUM.
(Floss Flower.) **Annual.**

**Blue, White, Rose, Mixed. Pkt. 5c., oz. 25c.**

### AGROSTEMMA.
(Rose of Heaven.) **Annual.**

Fine for cut flowers. **Rose color, Mixed. Pkt. 5c., oz. 20c.**

### ALONSOA.
(Mask Flower.) **Annual.**

Fine for bedding plants producing scarlet and white blossoms in great profusion. **Pkt. 5c. oz. 20c.**

### ALYSSUM.
**GOLDEN STAR. Perennial.** Single plants easily cover a square foot in a single season, and produce many hundreds of bright yellow flower heads. **Pkt. 5c.**
**LITTLE BEAUTY. Annual.** Of dwarf compact habit, seldom growing over 8 inches in height, and covered the entire season with pure white blossoms. **Pkt. 5c.**
**SWEET SCENTED. Annual.** A most polific bloomer. **Pkt. 5c., oz. 15c., 1-4 lb. 40c.**

### AMARANTHUS.
**Annual.**

A very graceful class of highly ornamental plants, growing tall and stately.
**CAUDATUS.** (Love lies bleeding.) Blood red, drooping, 3 feet high. **Pkt. 5c., oz. 20c.**
**SALICIFOLIUS.** (Fountain Plant.) Of pyramidal, drooping habit, branching close to the ground. **Pkt. 5c.**
**TRICOLOR SPLENDENS.** (Joseph's Coat.) Foliage, variegated crimson, yellow and green. **Pkt. 5c.**
**MIXED.** All the above and many others. **Pkt. 5c**

### AMPELOPSIS VEITCHI.
(Japan or Boston Ivy.) **Hardy Perennial.**

The well-known climber, easily grown from seed. **Pkt. 5c., oz. 20c.**

## MAY'S ASTERS.

These ever popular annuals require a rich, light soil, and in hot, dry weather should be thoroughly mulched with well rotted manure, and frequently supplied with liquid manure. The extra care and labor will be well repaid by the increased size and quality of bloom.

### FIRE KING.

One of the most brilliantly colored Asters we have ever seen. The flowers are of enormous size, a rich shade of deep crimson, and often measure as much as 5 inches in diameter. The blooms are of perfect form, the petals deep, heavy and slightly incurved. The plant is a vigorous, upright grower, about 15 or 18 inches in height and produces its mammoth blossoms in wonderful profusion late in the season. This variety must not be confounded with the small growing, dwarf sort that is being offered by some firms. **Pkt. 15c.**

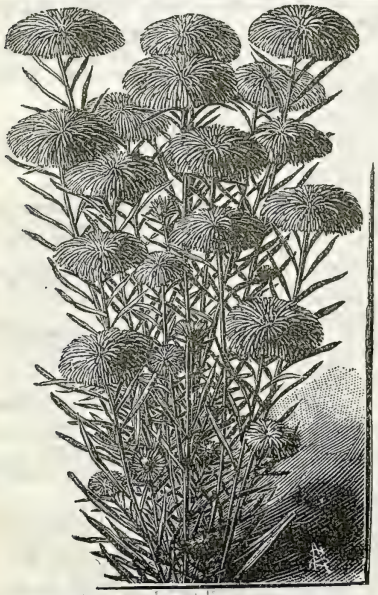
### SNOWBALL.

Valuable for massing in beds or pot culture. It grows to a height of about 15 inches, and bears large, rather globe-shaped, pure white flowers. The plant is of upright, bushy habit and has been known to bear as many as 25 or 30 flowers. The vigorous, healthy habit of the plant and the freedom with which the flowers are produced recommend it to everyone. **Pkt. 15c.**

**ONE PACKET OF EACH OF THE ABOVE ASTERS FOR 25c.**

**COLLECTION NO. 60.**

One packet of each of the five Asters illustrated on this page for **50c.**



**COMET-FLOWERED LADY ASTER.**

**GIANT COMET FLOWERED ASTER.**

### PRIDE OF BERLIN.

This beautiful new variety possesses so many points of exceptional merit that we offer it to our patrons with the assurance that it will please in every particular. The plants grow from 15 to 18 inches high, forming bushy, oval shaped heads, which are closely set with blooms of various shades and colors, each bush bearing from 75 to 100 of these exquisite blossoms. **Pkt. 15c., 2 for 25c.**

### COMET FLOWERED LADY ASTER.

A splendid variety of recent introduction. The flowers, produced in the greatest profusion, are borne on long graceful stems. The foliage is quite distinct, being long and narrow. The petals of the flowers are also long and graceful. The whole plant and flower present such a display of grace and beauty as is seldom seen in any flower, so that it can be truly called the Queen of all Asters. **Pkt. 10c 3 for 25c.**

**COLLECTION NO. 61.**

**13 packets Choice Asters, in various colors, no two alike for 50c.**

**COLLECTION NO. 62.**

**25 packets Choice Asters, including 3 fancy named varieties, no two alike for $1.00.**

### BLUE DANUBE.

Large incurved blooms of a beautiful light blue color. **Pkt. 10c.**

### PRIMROSE PINK.

Petals long and curiously twisted, cut and intertwined, of a delicate pink color. **Pkt. 10c.**

### NEW BRANCHING.

The plants of this beautiful variety are very strong growers and have a marked tendency for branching. The flowers are borne on long stems, are 4 inches or more in diameter, the petals being broad and long and many of them more or less twisted and curled.

**Pure White, Pkt. 10c. Lavender, Pkt. 10c.**
**Bright Crimson, Pkt. 10c. Blue, Pkt. 10c.**
**Clear Pink, Pkt. 10c**

**ANY 3 FOR 25c.**

### GIANT COMET FLOWERED.

Perfection in Aster culture finds its culmination in this grand and noble race of these highly prized annuals. The flowers are of magnificent size and proportions, many of them measuring 6 inches in diameter. The blooms are composed of long, twisted, wavy petals gracefully formed into loose, but densely double, semi-globular bunches of entrancing beauty resembling some of the finest Chrysanthemums. The plants are of most luxuriant growth attaining a height of 15 inches, each plant bearing from 20 to 30 of these magnificent flowers on long stems which render them valuable for cutting purposes. **We offer them in 9 separate colors as follows: Crimson, Pure White, Bright Rose, Light Blue, Dark Blue, Lavender, Yellow, Striped Blush and Salmon Rose. Per Packet, 10c., or the entire collection for 75c.**

### COMET.

In the whole list of Asters this is one of the most artistic and beautiful. The outer petals are curled and twisted, recurving, while the center consists of a whorl of shorter curled and twisted ones, the whole forming flowers of large size and rare beauty, resembling Japanese Chrysanthemums. **Light Blue, Crimson, Red, White, Pink. Per Pkt. 5c.**

**COLLECTION OF 5 PACKETS, 20c.**
**MIXED, ALL COLORS, PKT. 5c.**

**ASTER, PRIDE OF BERLIN.**

# ASTERS CONCLUDED.

## DWARF OSTRICH FEATHER. The Bride.

This variety is of dwarf branching habit of growth, with long curled petals resembling a Japanese Chrysanthemum. The bloom is of large size and form, pure white when first opened, but gradually changing to rose color. A distinct novelty and sure to please all lovers of these popular flowers. **Pkt. 25c.**

## GERMAN GLOBE.

Beautiful, large, globe shaped, incurved blooms. **Blue, Pink, White, Mixed, Pkt. 5c.**

## GOLIATH.

Of largest size, tall and branching freely. **Crimson, Dark Blue, Dark Rose, Red, Light Blue, Peach Blossom, Mont Blanc. Pkt. 10c. The collection of 7 for 50c.**

## IMBRIQUE POMPON.

Fine imbricated flowers of perfect form. **White, Rose, Violet, Brick Red. Pkt. 5c. The four for 15c.**

## MIGNON.

One of the best for cutting, bearing an enormous quantity of good sized blooms on each plant. **White, Light Blue, Peach Blossom. Pkt. 10c. The 3 for 25c.**

## QUEEN OF THE MARKET.

Very early, blooming 3 weeks earlier than other asters, of branching habit. **White, Purple, Light Blue, Pink, Crimson. Pkt 10c. The 5 for 40c.**

## QUILLED ASTERS.

Quill shaped petals bunched in a mass. **Blue, Pink, White, Sulphur Yellow, Pkt. 5c. The 4 for 15c.**

## SEMPLE'S BRANCHING.

Largely grown by florists for cutting purposes. Branches freely producing large perfect flowers from 4 to 6 inches in diameter. **Crimson, Light Blue, Purple, Red, Shell Pink, White. Pkt. 10c. The 6 for 50c.**

## VICTORIA.

Blooms of largest size, very double, incurved, from 20 to 40 to a plant. **White, Scarlet, Sky Blue, Peach Blossom, Pink, White tinted rose. Pkt 10c. The 6 for 50c.**

## CHRISTMAS TREE ASTER.

(See Cut.) Of branching habit. It comes into blossom very early and is the most profuse bloomer ever introduced, it being no uncommon sight to see small plants with from 75 to 150 well developed flowers. In separate colors. **White, Pink, Red, Blue, Mixed. Pkt. 15c.**

DWARF OSTRICH FEATHER ASTER.

## ASTERS. VARIOUS SORTS.

**CROWN OR COCARDEAU.**
The blossoms are all distinguished by a white centre. Mixed colors. **Pkt. 10c.**

**GLOBE PAEONY FLOWERED.**
Very early, of large size. **Mixed Colors. Pkt. 10c.**

**HARLEQUIN.**
Double, striped and blotched. **Pkt. 10c.**

**LILLIPUTIAN, WHITE.**
Small, double, fine for bouquets. **Pkt. 10c.**

**TALL CHRYSANTHEMUM, WHITE.**
Fine large blooms on long stems. Excellent for cutting. **Pkt 10c.**

**TRUFFANTS PAEONY FLOWERED.**
The largest and best of the recurved asters. **Pkt. 10c.**

**COLLECTION NO. 61.**
**1 Pkt. of each of these 6 varieties for 50c.**

## ROYAL MIXED.

**Fine for Amateurs.** A special mixture containing about 20 varieties of best standard and some high priced named sorts. **Pkt. 10c., oz. 50c.**

## COMMON MIXED.

A good assortment of standard sorts, including both tall and dwarf. **Pkt. 5c., oz. 30c.**

CHRISTMAS TREE ASTER.

## ASPARAGUS.

**PLUMOSUS NANUS.** (Lace Fern.) **Tender Perennial. Large Pkt. 25c, small Pkt 10c.**

**SPRENGERI.** (Emerald Feather.) **Pkt. 10c.**

**VERTICILLIATUS.** Hardy with slight protection. **Pkt. 10c.**

## ASPERULA.

**Annual.**
Lavender blue, sweet scented flowers. A long bloomer. Fine for rock work. **Pkt. 5c, oz. 10c.**

## ANCHUSA CAPENSIS.

(African Forget-me-Not.) **Annual.** Purple blossoms. Fine for cutting. **Pkt. 10c, oz. 25c.**

## ANEMONE.

(Windflower.) **Perennial.**
**CANADENSIS. White, Pkt. 5c.**
**JAPONICA. Mixed, rose and white. Pkt. 5c.**
**PULSATILLA. Violet Lilac. Pkt. 5c.**
**ST. BRIGID.** Large, handsome, semi-double blossoms, resembling Poppies. **Pkt. 5c.**
**SYLVESTRIS. White. Pkt. 5c.**
**One packet of each for 25c.**

ANTIGONON.

## ANTIGONON
**Or Mountain Rose.**

A distinct and handsome climber, bearing a great abundance of flowers the entire length of the vine. The blossoms are of a rich scarlet color, semi-double, resembling miniature roses. It is a most rapid grower when once established. To secure best results the seed should be sown early in the house and transplanted when danger from frost is past. **Pkt. 10c, oz. 40c.**

## ARABIS ALPINUS.
**Rock Cress.**

**Perennial.** Very early, white. Fine for rockeries. **Pkt. 5c.**

## AQUILEGIA.

(Columbine.) **Hardy Perennial.**
**CHRYSANTHA—Bright Golden Yellow. Pkt. 10c.**
**CHRYSANTHA ALBA.** Semi-double. **White. Pkt. 10c.**
**COERULEA**—(From the Rocky Mountains.) Sepals deep blue, petals white. **Pkt. 10c.**
**GLANDULOSA—Blue and white. Pkt. 10c.**
**SINGLE MIXED—Pkt. 5c, oz. 25c.**
**DOUBLE MIXED—Pkt. 5c, oz. 25c.**
**One packet each of four named varieties 30c.**

## ANTIRRHINUM.

**SUNRISE.** The most beautiful dwarf growing, bushy variety ever introduced. Flowers are a handsome shade of yellow and produced in great profusion the entire season. It is not only desirable for beds and groups, but also for pot culture, the charming bright blossoms and upright habit of the plant making it very desirable for this purpose. **Pkt. 10c.**

## MARGUERITE CARNATIONS.

**Tender Perennial.**

This is an exceedingly vigorous class of plants especially adapted for outdoor culture. They are of very neat habit and remarkable for their great profusion of bloom. The colors and markings range through the various shades of crimson, scarlet, pink, lilac, maroon and yellow white. Many of them are most beautifully splashed and streaked in an infinite variety of shadings. For masses of bloom on the lawn or for pot plants they are unsurpassed. Stems are strong and erect, while the individual flowers are of the largest size and unequaled by any flowers for cutting purposes. They bloom in from three to four months after sowing. To secure best results they should be sown inside in February or March and transplanted to the open ground as soon as weather permits. Our strain of these delightful flowers has been obtained direct from the best European grower and is sure to please. **Mixed colors. Pkt. 10c, 1-2 oz. 50c.**

## CALLIOPSIS.

**Annual.**

Beautiful summer bedders with bright and showy colors. Excellent for cutting and unsurpassed for massing.

**GOLDEN WAVE.** (See cut.) A most beautiful and showy plant, producing its deeply fringed golden yellow flowers in the greatest profusion the entire summer. It is a flower that is sure to please everyone with its rapid growth, bright showy blossoms and abundance of bloom. We cannot too highly recommend this little beauty to our friends. **Pkt. 10c. 3 pkts. 25c.**

**CRIMSON BEAUTY.** The richest colored of all this class of annuals. The plant is a strong, vigorous grower and the dark, crimson-colored blossoms are very freely produced for several months during the summer season. It is easily grown and few garden plants equal Crimson Beauty in beautiful coloring or profusion of bloom. **Pkt. 10c.**

**SINGLE MIXED. Pkt. 5c. DOUBLE MIXED. Pkt. 5c.**

## CANDYTUFT.

**Annual.**

**CRIMSON KING.** Beautiful deep crimson. **Pkt. 5c.**
**EMPRESS.** Pure white, large trusses. **Pkt. 5c.**
**GIANT HYACINTH FLOWERED.** A grand variety producing enormous spikes of bloom resembling a White Hyacinth. These spikes often measure 7 inches in length by 2¼ in diameter. The plant when in bloom attains a height of 12 inches. **Pkt. 10c.**
**LILAC QUEEN.** A very pleasing shade of color. **Pkt. 5c.**
**ODORATA.** Very fragrant. **Pkt. 5c.**
**SNOWBALL.** Remarkable for the mammoth size of its flowers and freedom of bloom, the entire plant being covered with snowy white blossoms. **Pkt. 10c.**

## CANNAS.

Choice named varieties selected from plants at our seed farm. **Pkt. 5c, oz. 10c.**

## COLEUS.

**Tender Perennial.**

**Choice mixed seed. Pkt. 10c.**

## ANTIRRHINUM.

**(Snapdragon.) Perennial.**

**TALL LARGE FLOWERING SORTS.** Most beautiful and showy.
**ALBUM.** Pure White
**BRILLIANT.** Scarlet, golden and white.
**CRESCIA.** Deep Scarlet.
**FIREFLY.** Scarlet, white throat.
**KERMESINUM.** Crimson.
**LUTEUM.** Yellow.
**ROMEO.** Deep rose, spotted yellow.
**STRIATUM.** Striped.
**YELLOW and ORANGE.** Choice.
**FINEST MIXED.** All colors.
**Per packet 10c or one each of the 10 named varieties for 75c.**

## BALLOON VINE.

(Love in a puff.) **Annual.**

A rapid growing climber. Seed pods resemble miniature balloons. **Pkt. 5c, oz. 15c.**

## BALSAM.

(Lady Slipper.) **Annual.**

**MAIDEN BLUSH.** Pink. **Pkt. 10c.**
**ROSE.** Pink shaded to Rose. **Pkt. 10c.**
**SCARLET.** Very brillian. **Pkt. 10c.**
**SOLFERINO.** Spotted red and white. **Pkt. 10c.**
**WHITE PERFECTION.** Large size. **Pkt. 10c.**
**THE FIVE VARIETIES FOR 40c.**

## CENTAUREA.

(Dusty Miller.) **Tender Perennials.**

Dwarf foliage plants.
**CANDIDISSIMA.** Pkt. 5c.
**GYMNOCARPA.** Pkt. 5c.

## CENTAUREA CYANUS.

(Corn Flower.) (Ragged Sailor.) **Annual.**

**White, Blue, Rose, Red, Mixed. Pkt. 5c, oz. 20c.**

## CENTAUREA MARGUERITE.

**Annual.**

Distinct from all other Centaureas. Produces white blossoms 2½ inches in diameter, beautifully fringed and delightfully scented. **Pkt. 10c.**

## CENTAUREA IMPERIALIS.

(Giant Sweet Sultan.) **Annual.**

This is one of the most beautiful flowering annuals ever introduced. The plants grow to a height of four feet, are very bushy and are covered with large handsome flowers finely fringed, exquisitely perfumed and of great lasting properties. If cut just as the petals are expanding they will easily keep a week in water. The colors are infinitely varied from glistening white through the various shades of red, from flesh pink to crimson, and through blues from silvery lilac to royal purple. If the seed is sown every week or two a succession of bloom may be had throughout the summer and fall. This is one of the best things we have ever sent out and we are pleased to recommend it to all lovers of beautiful flowers. In separate colors. **Rose, Red, Blue, White, Mixed. Pkt. 10c.**

## BALSAM—Continued.

**DOUBLE CAMELLIA FLOWERED. Finest mixed. Pkt. 5c.**
**IMPERIAL MIXED.** A fine mixture containing all the latest and best sorts. **Pkt. 10c, oz. 50c.**
**COMMON MIXED.** Good varieties. **Pkt. 5c, oz. 25c.**

## BAPTISIA.

(False Indigo.)

**Hardy Perennial.**

Beautiful blue pea shaped blossoms. **Pkt. 5c.**
**BARTONIA AUREA. Annual.** Produces showy, golden yellow flowers above its downy foliage. **Pkt. 5c.**

## BEGONIAS.

**Tender Perennial.**

**GIANT FLOWERING MIXED.** Best selected seed. **Pkt. 20c.**
**REX HYBRIDA.** Variegated foliage. **Pkt. 20c.**
**VERNON.** Waxy, blood scarlet foliage; delicate pink blossoms. **Pkt. 10c.**
**TUBEROUS ROOTED.** Single flowering mixed. Choice strain. **Pkt. 25c.**
**TUBEROUS ROOTED.** Double flowering mixed. Choicest seed. **Pkt. 25c.**

## BROWALLIA.

(Amethyst.) **Annual.**

Flowers resemble mammoth violets.
**JAMESONI.** (Dog Tooth Violet.) Large yellow blossoms. **Pkt. 10c.**
**SPECIOSA MAJOR.** (Giant Tree Violet.) Rich Indigo blue. Very showy. **Pkt. 10c.**

## BRYOPHYLLUM.

(Air Plant.) **Annual.**

Requires but little water and thrives everywhere. A charming novelty. **Pkt. 10c.**

## CACTUS.

**Tender Perennial.**

Mixed Seed. **Pkt. 10c.**

## CALANDRIANA.

**Annual.**

Fine for edgings. Rose colored flowers. **Pkt. 5c.**

## CALLA ETHIOPICA.

The well known Calla Lily. Easily grown from seed. **Pkt. 10c.**

## CALCEOLARIA.

**Tender Perennial.**

Pocket like flowers, most beautifully shaped, fleshed and spotted.
**HYBRIDA GRANDIFLORA.** The best hand fertilized seed. Extra choice. **Pkt. 25c.**
**COMMON MIXED.** A good mixture. **Pkt. 15c.**

## CALENDULA.

(Pot Marigold.) **Annual.**

Very free bloomers from early summer until killed by frost. Valuable for mixed beds and pot plants.
**METEOR.** Large double yellow, striped orange. **Pkt. 5c.**
**PRINCE OF ORANGE.** Glittering orange and yellow. **Pkt. 5c, oz. 10c.**
**MIXED. Pkt. 5c, oz. 10c.**

## CAMPANULA.

(Canterbury Bells.)

Beautiful bell shaped blossoms in all the various shades of blue, purple, lilac, etc., borne in great abundance.

**ANNUAL SORTS.**

**SINGLE MIXED. Pkt. 5c.**
**DOUBLE MIXED. Pkt. 5c.**

**PERENNIAL SORTS.**

**CARPATICA ALBA.** White. **Pkt. 5c.**
**GLOMERATA.** Lilac. **Pkt. 5c.**
**GRANDIS.** Blue. **Pkt 5c.**
**LACTIFLORA.** Whitish blue. **Pkt. 5c.**
**MACRANTHA.** Blue. **Pkt. 5c.**
**THE FIVE FOR 20c.**

## CANARY BIRD FLOWER.

**Annual.**

A most desirable climber of rapid growth and easy culture. Flowers yellow, resembling a canary bird in color. **Pkt. 5c.**

## CELOSIA.

(Cockscomb.)

**Hardy Annual.**

**GLASGOW PRIZE.** Dwarf with immense crimson combs. **Pkt. 10c.**
**DWARF MIXED.** All colors. **Pkt. 5c.**
**CHOICE MIXED.** All colors tall and dwarf. **Pkt. 5c.**

CENTAUREA IMPERIALIS.

## COREOPSIS.
**Hardy Perennial.**
Bright golden yellow. Blossoms from June until killed by frost. **Pkt. 10c.**

## COBEA.
(Cup and Saucer Vine.) **Annual.**
A rapid climber for trellises, arbors, tree trunks, etc.
SCANDENS—Bell shaped purple blossoms. **Pkt. 10c.**
SCANDENS ALBA—Pure white. **Pkt. 10c.**

## CYCLAMEN PERSICUM GIGANTEUM.
**Tender Perennial.**
Our strain of this seed has been obtained direct from the best European specialist. The colorings are very rich and beautiful. **Rose, white, crimson, purple, pink. Pkt. 25c, 5 pkts. $1.00.**

## CYPRESS VINE.
**Annual.**
A very rapid growing climber with bright star shaped blossoms. **Scarlet, white, mixed. Pkt. 5c, oz. 25c.**

## DAHLIA.
**Tender Perennial.**
SINGLE MIXED—**Pkt. 5c, oz. 40c.**
DOUBLE MIXED—**Pkt. 10c, oz. $1.00.**

## DAISIES.
(Bellis Perennis.) **Perennial.**
LONGFELLOW—Rich rose color. **Pkt. 10c.**
SNOWBALL—Double white. Very large and showy. **Pkt. 15c.**
DOUBLE MIXED—**Pkt. 10c.**

## COSMOS.
**Annual.**
Beautiful autumn blooming flowers. The flowers are borne profusely on long stems and present a most charming appearance when the plants are in full bloom.
MAMMOTH PERFECTION—A new race of these exquisite flowers with blooms of immense size, often measuring 4 to 5 inches in diameter. For cutting for bouquet purposes this is one of the finest flowers in cultivation, lasting fully two weeks in water. The plants grow to a height of 5 or 6 feet, are of symmetrical growth, forming perfect pyramids of bloom in early autumn and continue in bloom until killed by severe frost. They are a most valuable acquisition to any garden and should be cultivated extensively. We offer them in three separate shades, **white, pink and crimson. Pkt 10c or 3 for 25c.**
MARGUERITE FRINGED—The petals are deeply and irregularly cut and fringed in such a manner as to resemble Marguerites. Blooms are of large size, white, red and pink, with all the intermediate tints. **Pkt. 10c.**
EARLY DWARF DAWN—This variety comes into flower in July and continues a mass of bloom until cut down by frost. It is of dwarf growth, forming compact, bushy plants, about 4 feet high. The flowers are of good size, white, relieved by a delicate tint of rose at the base of the petals. **Pkt. 10c.**
EARLY FLOWERING MIXED—These produce a great profusion of bloom from midsummer till frost. **Pkt. 10c, oz. 25c.**
GIANT FLOWERING—Extra large blooms late in autumn. Valuable for the middle and southern states. **Pkt. 10c, oz. 25c.**

WHITE DIADEM PINK.

## DELPHINIUM.
(Larkspur.) **Annual Varieties.**
EMPEROR—Many colors mixed. **Pkt. 5c.**
TALL DOUBLE ROCKET—Large showy blossoms. **Pkt. 5c.**
**Perennial Sorts.**
FORMOSUM—Blue, white eye. **Pkt. 5c.**
HYBRIDUM—Mixed. Best varieties in a splendid assortment of colors. **Pkt. 5c.**
NUDICAULE — Showy scarlet blossoms. **Pkt. 5c.**

## DIANTHUS OR PINKS.
Easily cultivated, blooming freely, withstanding all conditions of soil and climate, this class of flowers is among the most popular in our entire list. They bloom early and late and give satisfaction everywhere.
FIREBALL—This valuable variety, introduced by us several years ago, sprang into great favor and is one of the best novelties ever offered by any firm. The blossoms are large, full and double, of a rich, velvety red, sometimes shaded brilliant crimson. If seed is sown as soon as danger from frost is past, a bountiful supply of gorgeous flowers can be had for several months. They are excellent for cutting, remain fresh a long time after placing in water, and are at all times pleasing and beautiful. For bedding purposes nothing can approach them for bloom and beauty. **Pkt. 10c, oz. 30c.**
DOUBLE CHINA PINK—Large blooms of many shades. **Pkt. 5c, oz. 25c.**
DOUBLE FRINGED JAPAN PINK—These are most beautifully fringed and produce an almost endless array of color. **Pkt. 10c.**

MAMMOTH PERFECTION COSMOS.

## DATURA.
(Trumpet Flower.) **Annual.**
Large, showy, trumpet shaped blossoms.
ARBOREA — Creamy white; fragrant. **Pkt. 10c.**
CORNUCOPIA—(Horn of Plenty.) Mammoth blooms, purple outside, creamy creamy white within. **Pkt. 10c.**
GOLDEN QUEEN—Pure golden yellow. **Pkt. 10c.**
WRIGHTI — (Angel's Trumpet.) White and lilac. **Pkt. 10c.**

## WHITE DIADEM PINK.
A recent introduction from Europe of most striking beauty. It is easily grown from seed, blossoming as soon as the plants are a few inches high and bearing a great profusion of flowers the entire season. The ground color of the bloom is pure white, from which stand out in beautiful contrast the Diadem markings, those delicate velvety and feathery lines in shield-like form, to which it owes its name, the tints being principally lilac, purple, carmine or blood red. **Pkt. 15c.**

## DOLICHOS.
(Hyacinth Bean.) **Annual.**
A rapid growing climber; ornamental flowers and seed pods.
**Purple, White, Mixed. Pkt, 5c.**

HEDDEWIGI—Large brilliant blossoms. **Single mixed. Double mixed. Pkt. 5c, oz. 25c.**
IMPERIAL MIXED—A fine assortment. **Pkt. 10c, oz. 25c.**
DOUBLE IMPERIAL MIXED—As good as many of the carnations. **Pkt. 10c, oz. 30c.**
DOUBLE FRINGED AND STRIPED—Charmingly cut and fringed. **Pkt. 10c.**
GOOD MIXED—Containing 25 good varieties. **Pkt. 5c, oz. 25c.**
PHEASANT'S EYE—Perennial. Beautifully fringed, rich and varied colors, all marked with a brilliant eye. **Pkt. 10c.**
MOURNING CLOAK—Large double flowers, rich blackish crimson, margined white. **Pkt. 10c.**
SALMON QUEEN—A brilliant shade of salmon. **Pkt. 10c.**
SNOWSTORM—Large double pure white. **Pkt. 10c**

## DIGITALIS.
(Foxglove.) **Hardy Perennial.**
Fine for shrubberies and half shady places.
LUTEA—Yellow. **Pkt. 5c.**
MONSTROSA MIXED—Giant plants and blooms. **Pkt. 10c.**
PURPUREA—Reddish purple. **Pkt. 5c.**
MIXED—All colors. **Pkt. 5c.**

## DRACENA INDIVISA.
**Tender Perennial.**
Very decorative. **Pkt. 10c.**

## CYPERUS.
(Umbrella Plant.) **Tender Perennial.**
Easily grown in water. A rapid grower. **Pkt. 10c**

## CENTROSEMA GRANDIFLORA.
(Butterfly Pea.) **Perennial.**
A fine climber. Produces inverted, pea shaped flowers from 1½ to 2½ inches in diameter, ranging in color from rosy violet to reddish purple. **Pkt. 10c, oz. 75c.**

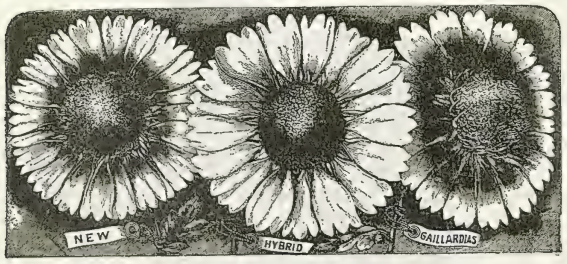
## CHRYSANTHEMUM.
**Annual.**
ECLIPSE—Yellow, purplish scarlet and dark brown. **Pkt. 10c, oz. 35c.**
LORD BEACONSFIELD—Rich crimson maroon, delicately striped and edged with gold. **Pkt. 5c, oz. 15c.**
TRICOLOR SINGLE MIXED—These all have beautiful rings and eyes of color. **Pkt. 5c.**
DOUBLE ANNUAL MIXED—Choice mixture including Japanese, Chinese, Pompon and incurved varieties. **Pkt. 5c, oz. 20c.**
INODORUM PLENISSIMUM—Hardy Perennial. Pure white, very double; free bloomer. **Pkt. 5c.**

## CINERARIA MARITIMA.
(Dusty Miller.) **Half Hardy Perennial.**
Beautiful silvery foliage. **Pkt 5c, oz. 20c.**

## CINERARIA HYBRIDA.
**Tender Perennial.**
A most gorgeous, showy house plant. Colors range from deepest purple through the lightest shades of pink and carmine, while some are pure white with blue eye, white centred, bordered purple, etc.
LARGE FLOWERING MIXED—The finest imported seed. **Pkt. 25c.**
CHOICE MIXED—All colors. **Pkt. 15c.**

## CLEMATIS.
**Hardy Perennial Climbers.**
JACKMAN'S HYBRIDS—This includes all the fine varieties of purple, white, blue, red, etc. **Pkt. 15c.**
PANICULATA—Small flowering white. **Pkt. 10c.**

## EDELWEISS.
**Hardy Perennial.**
The true stock from the Alps. White, star shaped blossoms. **Pkt. 10c.**




## GAILLARDIAS.

**(Blanket Flower.) Hardy Annual.**

These charming flowers are among the brightest and best grown. They commence to bloom in 60 days from sowing of seed and continue a perfect mass of beauty until killed by severe frost. They withstand wind and rain better than any annual with which we are acquainted, and are at all times clean and handsome. The blossoms are of large size, 3 to 4 inches in diameter, and are produced in the various shades of red, orange, yellow and salmon, many of them being most beautifully marked and margined. For quick growth, profusion of bloom, grace and beauty of flower they are unsurpassed, while their hardy nature and easy culture commend them to all lovers of flowers. **Pkt. 5c, oz. 25c.**

## ERYSIMUM.

**Hardy Annual.**

Beautiful orange colored blossoms. **Pkt. 5c, oz. 25c.**

## EUPATORIUM.

**Hardy Perennial.**

Clusters of snow white flowers. Fine for bouquets. **Pkt. 10c.**

## EUTOCA.

**Annual.**

Light blue flowers. **Pkt. 10c.**

## FUCHSIA.

**Tender Perennial.**

MIXED—Choice single and double. **Pkt. 5c.**
PROCUMBENS—Of dwarf, trailing habit. **Pkt. 10c.**

## GERANIUM.

**Tender Perennial.**

APPLE SCENTED—**Pkt. 10c.**
DOUBLE MIXED—Selected from the finest flowers. **Pkt. 10c.**

## GLAUCIUM.

(Horned Poppy.) **Hardy Perennial.**

White foliage plants for borders, etc. Orange colored blossoms. **Pkt. 5c, oz. 20c.**

## GLOXINIA.

**Tender Perennial.**

These are most superb and showy.
MIXED SEED—The choicest obtainable. **Pkt. 25c.**

## GLOBE AMARANTH.

**Annual.**

Popular everlasting flowers.
MIXED SEED—**Pkt. 5c, oz 15c.**

## GODETIA.

**Annual.**

Very charming garden plants of easy culture.
**THE BRIDE**—A very beautiful showy variety. The bloom is pure white with a distinct carmine centre. One of the best grown for garden culture, as it blooms early and profusely and is at all times handsome and effective. You will make no mistake by including this in your collection. **Pkt 5c**
**DUCHESS OF ALBANY**—(See Cut.) Another choice variety of great merit. The blooms are of the largest size, pure satiny white and very attractive. It is a very free flowering sort, grows very rapidly, of easy culture, and presents a most beautiful appearance either singly or grouped with others. It is quite distinct and a decided acquisition. **Pkt. 5c.**

GODETIA, THE BRIDE.

BEAUTY OF ST PAUL — Immense crimson flowers shading to carmine. **Pkt. 5c.**
BIJOU—Creamy white with rich crimson blotches. **Pkt. 5c.**
MIXED—All colors. **Pkt. 5c, oz. 20c.**

## GOLDEN MOUND.

**Annual.**

Bears a profusion of bright orange colored blossoms. **Pkt 5c.**

## GOLDEN ROD.

**Hardy Perennial. Pkt. 5c.**

## GYPSOPHILA ELEGANS.

(Baby's Breath.) **Annual.**

Small white and pink blossoms deliciously perfumed. **Pkt. 5c, oz. 15c**

## GYPSOPHILA PANICULATA.

**Hardy Perennial.**

Small white flowers, very valuable for bouquets, etc. **Pkt. 5c.**

## GOURDS.

**Annual.**

Rapid growing climbers with curiously shaped fruits of various shades and colors. Fine for porches, trellises, etc.
**BOTTLE SHAPED—Pkt. 5c, oz. 15c.**
**CHINESE LOOFA.** (Dish Rag Gourd.)—The tough fibrous inside is used for a variety of purposes. **Pkt. 5c, oz 20c.**
**DIPPER**—Dried and used by housewives for dippers. **Pkt. 5c, oz. 15c.**
**HERCULES CLUB**—Grows to enormous size; shaped like a base ball bat. **Pkt. 5c, oz. 15c.**
**PEAR SHAPED**—Striped, yellow, green and cream. **Pkt. 5c, oz. 15c.**
**SNAKE**—Long and curiously twisted like a snake. **Pkt. 5c, oz. 15c.**
**TEASEL—Pkt. 5c, oz. 15c**
**WHITE EGG**—The size, shape and color of a hen's egg. Uninjured by cold or wet and often used for nest eggs. **Pkt. 5c, oz. 15c.**
**MIXED**—All of the above and many others. **Pkt 5c, oz. 15c.**

## GREVILLEA ROBUSTA.

(Silk Oak). **Tender Perennial.** Beautiful, fern like foliage. **Pkt. 5c.**

## HEDYSARUM.

(French Honeysuckle.) **Biennial.**

A beautiful garden plant with flowers of various shades of red, pink and white.
**MIXED COLORS—Pkt. 5c, oz. 20c.**

## HELICHRYSUM.

(Straw Flower.) **Hardy Annual.**

Ornamental flowering plants with various colored flowers. The flowers are everlasting.
**MIXED COLORS—Pkt 5c, oz. 25c.**

ALLEGHENY HOLLYHOCK

## HOLLYHOCKS.

**Hardy Perennial.**

**DOUBLE CRIMSON—Pkt. 10c.**
**DOUBLE FLESH—Pkt. 10c.**
**DOUBLE PURPLE—Pkt. 10c.**
**DOUBLE ROSE—Pkt. 10c**
**DOUBLE SCARLET—Pkt. 10c.**
**DOUBLE WHITE—Pkt. 10c.**
**DOUBLE YELLOW—Pkt. 10c.**
**The 7 for 50c.**
**SINGLE MIXED—Pkt. 5c**

**ALLEGHENY HOLLYHOCKS**—Bloom the first year from seed. A new type of Hollyhocks. This grand new flower is a decided improvement in more than one particular over the old fashioned variety. Its first point of merit is the fine, transparent fringed flowers which look as though they were made up of crushed silk. One has to see this plant in bloom to appreciate its clear, transparent colors, which make a row shine with rainbow effect. It is a **perpetual bloomer**, and has from 2 to 4 buds at base of each leaf, where the old style has only one. All of these buds develop into flowers in rotation, the largest buds first, then the smaller ones, and so on until they have all opened up to beautiful flowers. The great height of the column-like pyramidal spikes, thickly studded with flowers, adds materially to the decorative value, and unless one has seen this new plant in front of a porch one would never suspect its ornamental possibilities.

**BLACK RED—Pkt. 15c.**
**BRIGHT RED—Pkt. 15c.**
**MAROON—Pkt. 15c**
**ROSE—Pkt 15c.**
**SHELL PINK—Pkt 15c.**
**The 5 for 50c.**

## HELIOTROPE.

**Annual.**

Our mixture includes the large flowering sorts, as well as some of the older kinds, and is certain to give satisfaction. **Seedling plants as a rule are more vigorous than those grown from cuttings and usually produce a greater amount of flowers Pkt. 10c, 1-4 oz. 50c.**

## HESPERIS.

(Sweet Rocket.) **Tender Perennial.**

White and purple flowers, which are very fragrant and produced the entire season. **Pkt. 5c, oz. 15c.**

## HIBISCUS.

(Marsh Mallow.) **Hardy Annual**

Cream colored flowers with rich brown centre. **Pkt 5c**

## HUMULUS JAPONICUS VARIEGATUS.

(Variegated Japan Hop.) **Annual.**

A rapid growing, beautiful climber from Japan. **Pkt. 5c.**

## HYACINTHUS CANIDICANS.

(Summer Flowering Hyacinth.)
**Tender Perennial.**

Spikes of white, bell shaped blossoms 2 or 3 feet in length. Very attractive. **Pkt. 5c.**

## ICE PLANT.

**Tender Perennial Pkt. 5c.**

## IMPATIENS SULTANA.

**Tender Perennial. Pkt. 10c.**

## IPOMOPSIS.

(Tree Cypress.)
**Half Hardy Biennial. Pkt. 5c.**

GODETIA, DUCHESS OF ALBANY.

## IPOMOEA.

**Annual.**

These are climbers of rapid growth and very free flowering qualities.

**BONA NOX**—(Blue Dawn Flower.) Very large blossoms of a beautiful sky blue shade. **Pkt. 10c.**

**MARMORATA**—Foliage marbled, blotched with green and white. **Pkt. 5c.**

**SETOSA**—(Brazilian Morning Glory.) A robust, vigorous growing climber with immense leaves, often measuring 10 to 12 inches across. The vine is covered with short reddish hairs, which, with its enormous leaves and peculiar cluster of seed capsules, render it a decidedly attractive ornamental climber. The blossoms, which are of a peculiar blue or reddish purple, are borne in clusters of from 2 to 3 each. **Pkt. 10c.**

**MIXED**—We supply a choice mixture. **Pkt. 5c, oz. 25c.**

## LANTANA.

**Tender Perennial.**

Brilliant flowers produced in greatest abundance. **Pkt. 5c, oz. 25c.**

## LEPTOSINE STILLMANNI.

**Half Hardy Annual.**

A new and elegant variety. Has very large golden flowers, much prized for cutting. **Pkt. 10c.**

## LINUM.

(Flowering Flax.)

Showy bedding plants of slender, delicate growth.

**COCCINEUM**—Hardy Annual—Scarlet blossoms in abundance. **Pkt. 5c.**

**PERENNE MIXED**—Hardy Perennial—Blue, pink and white blossoms on slender, wiry stems. **Pkt. 5c.**

## LOBELIA.

**Annual.**

**Compact or Bedding Sorts.**

**CRYSTAL PALACE**—Rich, dark blue flowers. **Pkt. 10c.**

**EMPEROR WILLIAM**—Intense blue blossoms; very floriferous. **Pkt. 10c.**

**WHITE GEM**—Pure white. **Pkt. 10c.**

**The 3 for 25c.**

**Erinus or Trailing Sorts.**

**GRACILIS**—Bright blue with a white eye. **Pkt. 5c.**

**SPECIOSA**—Dark blue. **Pkt. 5c.**

**MIXED**—**Pkt. 5c, oz. 25c.**

## LOBELIA CARDINALIS.

**Perennial.**

A very brilliant sort bearing spikes of showy scarlet blossoms. **Pkt. 10c.**

## LUPINUS.

**Annual.**

Free blooming garden plants with long, handsome spikes of richly colored, pea shaped blossoms.

**MIXED**—**Pkt. 5c.**

## MAIZE JAPAN.

**Annual.**

Striped corn-like foliage. Very handsome when massed or interspersed with shrubbery. **Pkt. 5c.**

## MATRICARIA.

**Annual.**

**DOUBLE WHITE.** (Double Feverfew.) Very desirable for cutting for bouquets. **Pkt. 10c.**

## MAURANDIA.

Charming climbers with rich purple, white and rose foxglove-shaped blossoms.

**MIXED**—**Pkt. 10c.**

## MIMULUS.

(Musk Plant.) **Tender Perennial.**

The flowers are of peculiar shape and are beautifully blotched and marked, rivaling in their exquisite tinting the well known Gloxinias. **Pkt. 10c.**

GIANT MOON FLOWER.

## MINA LOBATA.

**Annual. A Charming Climber**

A strong luxuriant grower bearing a great profusion of racemes of flowers 12 inches in length, alternately bright red, orange yellow and yellowish white, according to maturity and development. **Pkt. 10c.**

## MIRABILIS.

(Marvel of Peru.)

(Four O'clocks.) **Annual.**

**MIXED COLORS**—Mammoth flowers in white, yellow, crimson, red and striped colors. **Pkt. 5c, oz. 10c, 1-4 lb. 30c.**

## MOMORDICA.

**Annual.**

Beautiful climbers with yellow flowers and foliage.

**BALSAM APPLE** — Showy, orange colored fruit. **Pkt. 5c.**

**BALSAM PEAR**—Bright, copper colored scarlet fruit. **Pkt 5c.**

## GIANT MOON FLOWER.

**Annual.**

The most rapid growing of all the climbers. Mammoth pure white blossoms opening at night. One of the most unique and attractive flowers we have ever seen. **Pkt. 5c.**

## MARIGOLD.

(Indian Rose.) **Annual.**

Very free bloomers and very effective for bedding.

**ELDORADO** — Large double flowers of all shades of yellow, deeply imbricated. **Pkt. 10c, oz. 25c.**

**FRENCH, DOUBLE DWARF**—Grow to a height of 10 or 12 inches and produce a great profusion of double flowers of various shades and colors. **Pkt. 10c.**

**DWARF SPOTTED GERMAN MARIGOLD**—

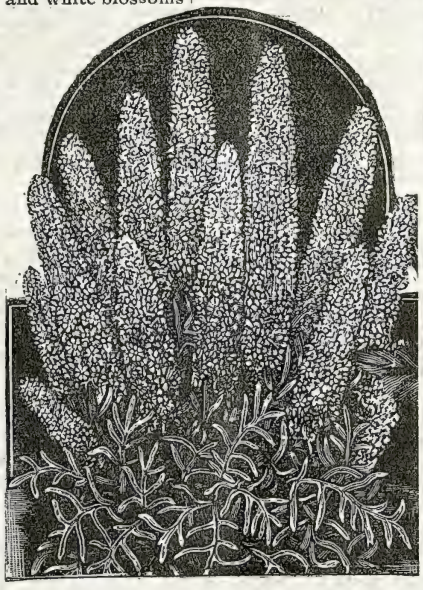
DWARF SPOTTED GERMAN MARIGOLD.

A novelty of last year's introduction by one of the best German houses. The plants are very dwarf, forming neat, compact, bushy plants 4 to 5 inches high and 6 inches in diameter, which blossom very freely the entire season. The flowers are small, perfectly double, of a bright sulphur yellow, each petal marked with a dark brown blotch. A most valuable variety for carpet bedding, edging and masses. It is equally useful for growing in pots in the house. **Pkt. 20c.**

**GOLD STRIPED**—Double flowers of a rich brownish red, striped and marked with golden yellow. **Pkt. 10c**

**LEGION OF HONOR** — Pretty single flowers of bright golden color, each one marked with a velvety crimson spot. **Pkt. 10c.**

**TALL DOUBLE AFRICAN MIXED**—Our assortment includes lemon, yellow, orange, sulphur, golden and light brown colors. **Pkt. 5c, oz. 20c.**



VICTORIA MIGNONETTE.

## MIGNONETTE.

(Reseda.) **Annual.**

**ALLEN'S MAMMOTH**—Spikes of enormous dimensions 10 to 15 inches long and delightfully fragrant. Individual florets very large. Will keep two weeks or longer after cutting. **Pkt. 10c.**

**CRIMSON BELLE**—Reddish crimson. **Pkt. 10c.**

**GIANT WHITE** — Flowers large, fragrant and almost a pure white. **Pkt. 10c.**

**GOLDEN QUEEN**—Flowers very large, of a rich golden shade. **Pkt. 10c.**

**MACHET**—A dwarf compact variety with deep red blossoms. **Pkt. 10c, oz. 25c.**

**NINETEEN HUNDRED**—The plants form semi-globular bushes of exquisite shape, measuring 24 inches in diameter and containing as many as 400 flower spikes of the most charming golden yellow color. **Pkt. 25c.**

**ODORATA OR SWEET**—**Pkt. 5c, oz. 15c.**

**PARSON'S WHITE**—Large white spikes of bloom that are highly perfumed. **Pkt. 10c.**

**VICTORIA**—One of the very best varieties ever introduced for amateur cultivation in the garden. The plant is of dwarf, branching habit, the foliage strong and luxuriant. The flowers are produced in strong, closely set trusses in the greatest profusion. The color is deep red and the bloom is intensely fragrant. It is very valuable for cutting, as it keeps in a fresh condition a long time after being cut and placed in water. Every amateur who loves "Sweet Mignonette," (and who does not,) should not fail to include this in his collection. **Pkt. 10c, oz. 25c. Collection of 9 varieties, 75c.**

## MYOSOTIS.

(Forget-me-not.) **Perennial.**

Bushy plants 6 to 10 inches high, bearing a profusion of lovely small flowers.

**ALPESTRIS**—Blue. **Pkt. 5c.** **FAIRY QUEEN**—Porcelain blue. **Pkt. 10c.**

**PALUSTRIS**—The true hardy swamp variety; blue and white. **Pkt. 5c.**

**VICTORIA BLUE**—Large blossoms. **Pkt. 5c.**

**VICTORIA ROSE**—Rose colored. **Pkt. 5c.**

**VICTORIA WHITE**—Pure white. **Pkt. 5c.**

**Collection of 6 Packets for 25c.**

**MIXED**—All Colors. **Pkt 5c, oz. 50c.**

## NEMOPHILA.

(Love Grove.) **Annual.**

Neat compact plants with strikingly beautiful flowers. **Pkt. 5c.**

## NICOTIANA. **Half Hardy Annual.**

**AFFINIS**—Fragrant, white, star shaped blossoms. **Pkt. 5c.**

**COLOSSEA** — A rapid growing variety with foliage beautifully marbled, veined and edged with white and red. Grows to a height of 5 to 6 feet. **Pkt. 10c.**

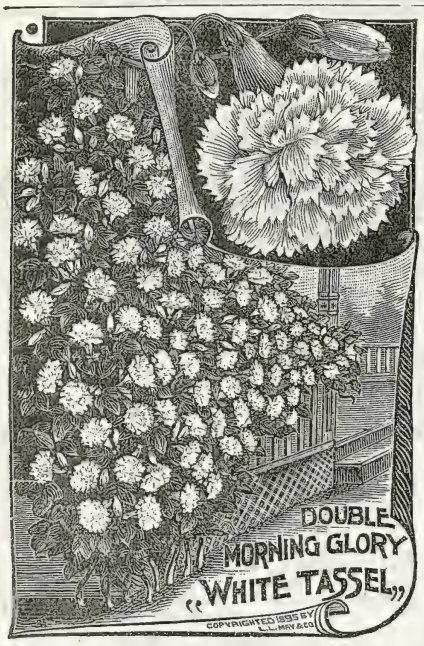
**SYLVESTRIS**—Long white flowers hanging in racemes over the foliage. Very fragrant. **Pkt. 10c.**

**Collection of 3 Packets for 20c.**

## LEPTOSINE GIGANTEA.

A beautiful rapid growing annual, producing in great profusion a feathery mass of very finely divided light green leaves. These are surmounted by a wavy mass of golden yellow flowers, borne on long stems, the whole forming a most beautiful effect. **Pkt. 10c.**

LEPTOSINE GIGANTEA.




## MORNING GLORY.

(Convolvulus.) **Annual.**

**DOUBLE WHITE TASSEL**—One of the most charming climbers that has ever come to our notice. It is a rapid growing vine with beautiful white tassel-like blossoms, which have a delicate marking of purple on the inner petal. The flowers are beautifully fringed and never fail to attract attention wherever seen. Easily grown from seed and will give a good percentage of double flowers. **Pkt. 10c.**

DWARF OR BUSH VARIETIES

**BLUSH ROSE**—Pink shaded rose. **Pkt. 5c.**
**DARK RED**—Deep shade of crimson. **Pkt. 5c.**
**IMPERIAL BLUE**—Rich deep blue. **Pkt. 5c.**
**LILAC BELLE**—Delicate lavender, tinted rose. **Pkt. 5c.**
**WHITE QUEEN**—Pure white. **Pkt. 5c.**

**Collection of 5 Packets for 20c.**

**TALL MIXED**—The mixture we offer contains all the different shades of rose, blue, purple, crimson and striped. **Pkt. 5c, oz. 15c**

**ROCHESTER**—(See Cut.)—A wonderfully strong growing, free flowering variety with very large blossoms of most attractive colors. The large open, trumpet shaped blossoms are distinctly outlined with a band of silvery white, the lovely colors contrasting most beautifully. **Pkt. 10c.**

**IMPERIAL JAPANESE**—(See Cut.) Of gigantic size and good substance, remaining open the greater part of the day. Colors range from snow white to purple black, with all the possible intermediate shades, such as pink, rose, fiery red, copper red, carmine, crimson, pale blue, deep blue, royal purple, maroon, indigo, bronze, slate, brown, cherry, ash gray, etc., while others are edged with white, having throats of one of the above colors, while in others this is reversed, the throats being white and the edging of colors. **Pkt. 10c.**

**MAURITANICUS—Perennial**—Fine for hanging baskets. **Pkt. 5c.**

JAPANESE MORNING GLORY.

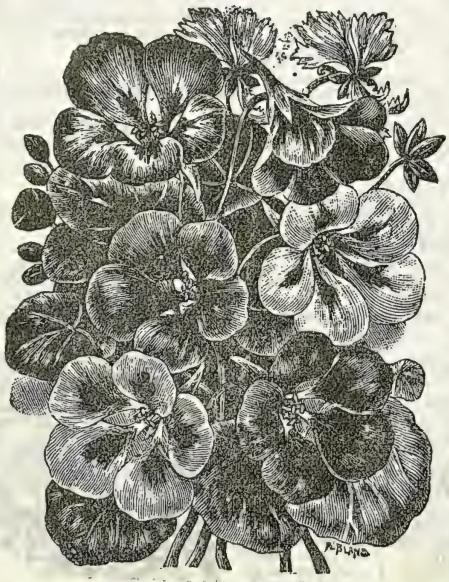
## NASTURTIUMS.

(Tropaeolum.) **Annual.**

No flower is more popular than this magnificent class, which presents all the richest and most varied shades found in the floral world. The Tall growing sorts are unequaled for trellises or covering unsightly posts and fences, while the Dwarf varieties are found in nearly every window box or hanging basket. **No better collection than the one we offer has ever been listed by an American seed firm, and it was only at a great expense that we were able to secure such a magnificent collection of novelties in Nasturtiums.**

DWARF VARIETIES.

**BEAUTY**—Beautifully marked yellow and red. **Pkt. 5c.**
**BRONZE**—Coppery bronze color. **Pkt. 5c.**
**EMPRESS OF INDIA**—Dark crimson flowers. **Pkt. 5c.**
**GEM**—Sulphur orange, spotted deep maroon. **Pkt. 5c.**
**RUBY KING**—Light rosy red. **Pkt. 5c.**
**KING THEODORE**—Deep maroon. **Pkt. 5c.**
**YELLOW**—Clear creamy yellow. **Pkt. 5c.**
**THE ROSE**—Pinkish rose. **Pkt. 5c.**
**BRONZE PRINCE**—Mahogany color shading to rich bronze. **Pkt. 5c.**
**VIOLET**—Rich violet purple. **Pkt. 5c.**
**PRINCE HENRY**—Cream, shaded and spotted with scarlet. **Pkt. 5c.**
**STAR MIXED**—(See Cut.)—The most beautiful assortment of colors that can be obtained. **Pkt. 5c, oz. 10c.**



STAR MIXED NASTURTIUMS.

**7 PACKETS FOR 25c.**

To induce our friends to plant Nasturtiums liberally this coming season we will send one packet each of **seven different varieties listed at 5c each for only 25c.** This allows you to select either Dwarf or Tall sorts and is an offer unequaled by any other firm.

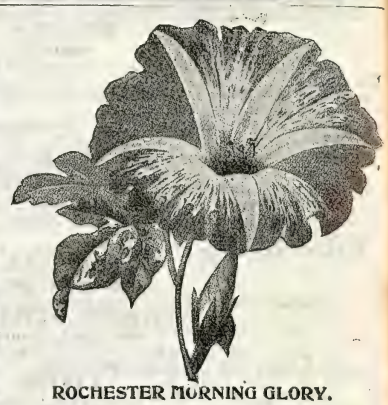
**IMPERIAL GERMAN NASTURTIUMS.**

**For illustration see list of specialties.** These rare and beautiful flowers introduced by us possess so many points of exceptional merit that we offer them with the positive knowledge that they will give satisfaction under the most exacting circumstances. They are the results of years of painstaking hybridizing and careful selection on the part of one of **Europe's leading specialists.** The colors range from creamy white through the various shades of yellow, orange, pink, red and scarlet to the deepest crimson, giving the widest possible range of tints.

**THE DWARF MIXED** are extremely florriferous. Their extreme height is 8 to 12 inches, they occupy but little room and require no supports.

**THE TALL MIXED** are even more prolific in bloom than the dwarf sorts.

**Tall Mixed, Dwarf Mixed, Tall and Dwarf Mixed, Pkt. 10c, oz. 15c, 1-4 lb. 40c, lb. $1.00.**



ROCHESTER MORNING GLORY.

TALL OR CLIMBING.

**GOLD LEAF**—The foliage is a bright golden yellow; scarlet and crimson flowers. **Pkt. 10c.**
**KING THEODORE**—Dark crimson. **Pkt. 5c.**
**ROSE**—Clear rose shade. **Pkt. 5c.**
**ORANGE**—Bright orange. **Pkt. 5c.**
**CHOCOLATE QUEEN**—Deep velvety brown. **Pkt. 5c.**
**SUNBEAM**—Pure yellow. **Pkt. 5c.**
**SCARLET**—Rich scarlet. **Pkt. 5c.**
**THE PEARL**—Clear pearl color. **Pkt 5c.**
**BLOTCHED BEAUTY**—Creamy white marked with crimson, maroon or brown. **Pkt. 5c.**
**CRIMSON PRIZE**—Rich crimson. **Pkt. 5c.**
**REGELIANUM**—Violet crimson. **Pkt. 5c.**
**HEMISPHAERICUM**—Clear orange marked with rosy scarlet. **Pkt 5c.**
**KING OF BLACKS**—Deep blackish brown. **Pkt. 5c.**
**ED OTTO**—Brownish lilac. **Pkt. 5c.**
**MIXED**—A splendid mixture. **Pkt. 5c, oz. 10c.**

**LOBB'S NEW CLIMBING NASTURTIUMS.**

A new class which produces a greater profusion of blossoms than the old sorts, but the flowers or foliage are not so large.

**BRILLIANT**—Deep scarlet. **Pkt. 5c.**
**CHAXIANUM**—Yellow with carmine blotches. **Pkt. 5c.**
**MERCIER LACOMBE**—Rich violet crimson. **Pkt. 5c.**
**LILLI SCHMIDT**—Brilliant orange scarlet. **Pkt. 5c.**
**MONSIEUR COLMET**—Dark brown. **Pkt. 5c.**
**TRIOMPH DE GAND**—Light scarlet. **Pkt. 5c.**
**LOBB'S MIXED**—This includes all the finest colors in this class. **Pkt. 5c.**

## NIGELLA.

(Love in the Mist.) (Devil in the Bush.)

**Annual.**

A compact free flowering plant with finely cut foliage and curious looking flowers and seed pods. **Pkt. 5c, oz. 10c.**

## OENOTHERA.

(Evening Primrose.) **Annual.**

Large showy flowers of white, cream, yellow, etc. **Pkt. 5c.**

## OLEANDER.

(Nerium.) **Tender Perennial.**

**ALBUM**—White. **Pkt. 5c.**
**MIXED**—Pink, white, cream, etc. **Pkt. 5c.**

## OXALIS.

**Annual.**

**TROPAELOIDES**—A most charming foliage plant, used principally for carpet bedding. It is a very dwarf growing creeper which soon forms a thick, carpet-like mat of a pleasing reddish brown color. For borders, rock work, mounds, etc., it is unsurpassed, being of free and rapid growth and very free from the attacks of insects and disease. **Pkt. 15c.**

## PALM SEED.

**Tender Perennial.**

**MIXED**—These plants may easily be grown from seed, provided the right varieties are secured. In making our mixture we have used the most rapid growing sorts, which are of easiest culture. **Pkt. 25c.**

## PASSION FLOWER.

**Tender Perennial.**

A rapid growing, handsome climber. **Mixed Seed. Pkt. 10c.**

## PENTSTEMON HARTWEJI.

**Perennial.**

Beautiful herbaceous plants with a wide range of colors as varied as the Gladioli. **Pkt. 10c.**

SINGLE FRINGED PETUNIA.

## PETUNIAS.

**Annual.**

Nothing can surpass these flowers for effectiveness for outdoor decoration. They commence blooming very early and continue a mass of bloom until killed by frost. Many people allow them to reseed themselves from year to year, as the seed will lie in the ground all winter without injury. They require a moderately rich soil and a sunny position.

**SINGLE FRINGED LARGE FLOWERING**—(See Cut.) The surpassing beauty of these flowers renders them superior to any ever offered by any firm. The blossoms are of the largest size, many of them delightfully perfumed, and all of them cut and fringed in a most charming manner. The colorings and markings are the most exquisite ever seen in any flower. **Pkt. 35c.**

**IMPROVED CALIFORNIA GIANT**—These are the handsomest Petunias in the world. They are giants in size, of the most rich and varied colors imaginable, and are most exquisitely ruffled and fringed. Some of the blooms are fully 5 inches in diameter, while all are most handsomely blotched and marked, veined, penciled, notched and ruffled. Colors range from yellow through the various shades of rose, red, scarlet, purple and to the darkest crimson. **Pkt. 25c.**

**DOUBLE FRINGED LARGE FLOWERING**—(See Cut.)—This strain of seed is selected from the best hand fertilized flowers grown by a German specialist, and will produce a high percentage of double flowers. It is a well known fact that double Petunia will not produce more than ten per cent double flowers. This strain, however, will produce double the percentage of double flowers of any strain we have ever handled. Their large size, exquisite markings and most beautiful fringing render them very conspicuous at all times, and our customers would be well repaid for sowing the seed if they secured a half dozen good plants from a packet. We can assure them, however, that they will secure a much larger percentage. This seed cost us several times its weight in gold and is very scarce. We would advise our customers to order early before our stock is exhausted. **Pkt. 35c.**

**SINGLE MIXED**—A good strain. **Pkt. 5c, oz. 30c.**
**LARGE FLOWERING SINGLE MIXED**—A finer assortment of colors and more carefully selected seed than the above. **Pkt. 10c.**
**GERMAN SHOW MIXED**—Remarkable for their large size and exquisite colors. **Pkt. 15c.**
**DOUBLE MIXED**—A fine strain which will produce a goodly number of double flowers. **Pkt. 10c.**
**DOUBLE IMPERIAL MIXED**—Selected from the best varieties. **Pkt. 15c.**

### NAMED VARIETIES.

**COUNTESS OF ELSEMERE**—Pink with white throat. **Pkt. 10c.**
**GEN. DODDS**—Deep velvety red. **Pkt. 10c.**
**GIANTS OF CALIFORNIA**—Flowers of immense size, measuring 4 inches or more in diameter, of rich and varied colors. **Pkt. 15c.**
**INIMITABLE**—Blossoms striped and blotched with cherry, pink and white. **Pkt. 10c.**
**MOONLIGHT**—Large single white. **Pkt. 10c.**
**RED CROSS**—Small blossoms most beautifully striped. **Pkt. 10c.**
**ROSE QUEEN**—Rosy pink. **Pkt. 10c.**
**SUNRISE GLORY**—The blossoms are of large size, most beautifully fringed and delicately streaked and marked with a golden yellow throat; a most glorious combination. **Pkt. 15c.**

**Collection of 8 Named Sorts for 75c.**

### CHOICE GERMAN FRINGED, PETUNIAS.

These are of largest size, fine form and extremely delicate colors.

**ALBA**—Fringed white. **Pkt. 25c.**
**DELICATA**—White and rosy violet; semi-dwarf. **Pkt. 25c.**
**INTUS AUREA**—Yellow throated, superb shades. **Pkt. 25c.**
**MACULATA**—Blotched and striped. **Pkt. 25c.**
**MIRANDA**—Deep carmine, nearly scarlet. **Pkt. 25c.**
**TITANIA**—Velvety purple, with a broad white band. **Pkt. 25c.**

**Collection of 6 Sorts for $1.00.**

## PHLOX DRUMMONDI.

**Annual.**

**QUEEN VICTORIA**—(See Cut.)—An immense flowering white variety bearing great clusters of flowers on strong, stiff stems 18 or 20 inches high. Seed sown in the early spring will begin to flower by July and the plants will be literally covered with blossoms until late in the autumn. It is extensively used by florists in cut flower work and is very desirable for bouquets. **Pkt. 15c.**

### TALL FLOWERING SORTS.

**AYLESBURY PRIZE**—Marked and striped with white and crimson. **Pkt. 10c.**
**CRIMSON WHITE EYE**—Intense crimson with a distinct white eye. **Pkt. 10c.**
**EASTERN QUEEN**—Deep crimson rose. **Pkt. 15c.**
**FIREBALL**—Fiery scarlet. **Pkt. 15c.**
**ISABELLINA**—Creamy yellow shading to light salmon. **Pkt. 10c.**
**PRINCE ARTHUR**—Large snow white blossoms. **Pkt. 10c.**
**STAR QUEDLINBURG**—The long pointed centre of the petals give the blossoms a star-like appearance. **Pkt. 10c.**
**THE COUNTESS**—Rosy pink. **Pkt. 10c.**

**Collection of 8 Named Sorts 75c.**

**MIXED**—All colors. **Pkt. 5c, oz. 50c.**

### DWARF VARIETIES.

**LEOPOLDI**—Carmine with a white eye. **Pkt. 10c.**
**SCARLET**—**Pkt. 10c.** **WHITE**—**Pkt. 10c.**
**MIXED**—All colors. **Pkt. 10c.**

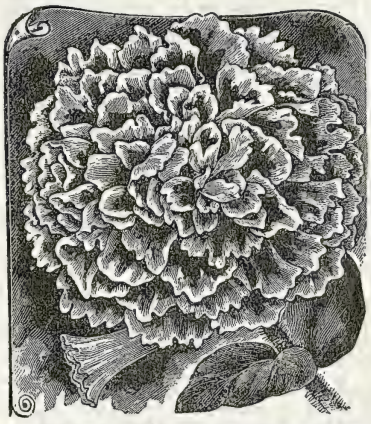
## Flower Seeds in Bulk.

Many of our customers desire to sow large spaces with quick growing, free blooming annuals. School grounds, back yards, vacant lots and waste spaces can thus be utilized and improved, and the bare, desert spaces made beautiful at small expense. We list here a few of the best, low priced varieties that are adapted to a wide range of soil and climate. **Village Improvement Leagues, Ladies Circles and other kindred societies** will find it to their advantage to consult this list before placing their orders.

| | Descrip | Oz. | ¼ lb. |
|---|---|---|---|
| Abronia Umbellata | Page 51 | $ .30 | $1.00 |
| Adonis Aestivalis | " 51 | .20 | .65 |
| Ageratum, Mixed | " 51 | .25 | .85 |
| Agrostemma, Mixed | " 51 | .20 | .65 |
| Alyssum Sweet | " 51 | .15 | .40 |
| Amaranthus, Mixed | " 51 | .10 | .25 |
| Asters, Mixed | " 53 | .30 | 1.00 |
| Balloon Vine | " 54 | .15 | .50 |
| Balsam, Mixed | " 54 | .25 | .85 |
| Calendula, Mixed | " 54 | .10 | .35 |
| Candytuft, Mixed | " 54 | .10 | .35 |
| Carnations, Marguerite | " 54 | 1.00 | |
| Centaurea Cyanus Mixed | " 54 | .20 | .70 |
| Centrosema | " 55 | .75 | |
| Chrysanthemum Double Mixed | " 55 | .20 | .65 |
| Cosmos, Early Flg. | " 55 | .25 | .85 |
| Dianthus, Imperial Mixed | " 55 | .25 | .85 |
| Globe Amaranth, Mixed | " 56 | .15 | .50 |
| Godetia, Mixed | " 56 | .20 | .65 |
| Gypsophila Elegans | " 56 | .15 | .50 |
| Ipomea, Mixed | " 57 | .25 | .75 |
| Mirabilis (Four O'clock) | " 57 | .10 | .30 |
| Marigold, Mixed | " 57 | .20 | .70 |
| Mignonette, Sweet | " 57 | .15 | .50 |
| Morning Glory, Mixed | " 58 | .15 | .50 |
| Petunias, Mixed | " 59 | .30 | 1.00 |
| Phlox, Mixed | " 59 | .50 | 1.50 |
| Poppies, Mixed | " 61 | .10 | .35 |
| Portulaca, Mixed | " 62 | .35 | 1.00 |
| Scabiosa, Mixed | " 62 | .10 | .30 |
| Schizanthus | " 62 | .15 | .50 |
| Silene | " 62 | .10 | .30 |
| Sweet William, Mix | " 62 | .10 | .30 |
| Zinnia, Double | " 63 | .25 | .75 |

DOUBLE YELLOW PHLOX, GOLD KING.

**GOLD KING—The grandest novelty in Phloxes ever offered the flower lovers of America.** It is a rapid growing, free blooming mammoth, perfectly **double flowering variety** of the most beautiful shade of golden yellow imaginable. The plant is of strong, vigorous habit, attains a height of 15 inches, and bears its enormous ball-like clusters of flowers on strong, stiff stems. **Pkt. 20c.**



Double Fringed Large Flowering Petunia.

PHLOX, QUEEN VICTORIA.

# PANSIES.

For many years we have made a specialty of these delightful flowers, selecting our strains with the greatest care from the best varieties offered by the leading German, French, English and American growers. New sorts are thoroughly tested by us before we offer them, and any not showing a decided improvement over existing sorts are discarded. In this manner we keep our stocks up to date and thoroughly reliable. Our customers will corroborate our statement that our **Paris Prize, Royal Mixed, Florists' Special Mixed** and **Gem Strains** have never been surpassed or equalled by those of any other seedsmen. We take especial pride in offering these mixtures, as the large perfect blooms, brilliant colorings and markings and great productiveness will not fail to give entire satisfaction to the most critical.

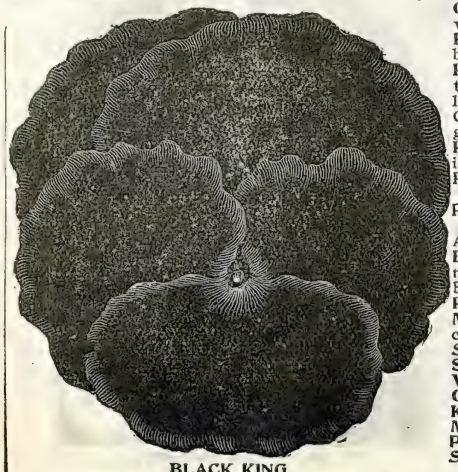
Pansy seed may be sown in the hotbed or open ground. For early spring flowering it is best to sow the seed in September and winter over the young plants in cold frames. If this is not practicable, sow the seed in boxes in February or March and transplant to open ground as soon as the weather will permit. Seeds sown in a cool place in June or July, and well watered until up, will produce fall flowering plants. Young plants give the largest flowers. If they first come into bloom in the heat of summer they will be small at first, but will increase in size and beauty as the weather becomes cooler. In mid-summer they will flower better if planted in a semi-shaded situation, and especially if furnished with a good supply of water.

## FLORISTS' SPECIAL MIXED.

This strain is offered specially to our Florist friends who want something superior to that ordinarily offered. The plants grown from this mixture are of the greatest vigor and perfection in growth as well as beauty, and in size, color and form are unsurpassed. We have carefully selected this mixture from over a hundred choice strains, all of which have been carefully tested in our greenhouses. Doing a large florist business ourselves, growing upwards of 100,000 pansy plants each year for the retail trade, we are in a position to know a florist's wants, and offer this strain with perfect confidence, knowing that it will please the most exacting. **Pkt. 25c.**

**SNOWFLAKE**—This pure white, large flowering variety is one of the most distinct in our whole list. The blossoms are of large size, beautiful form, of a pure satiny white without any trace of coloring. The plants are strong and vigorous, commence to blossom early in the spring, and if not allowed to go to seed, produce very abundantly until late fall. In mild winters we have seen this peerless variety in full bloom in the open ground at Christmas. Planted with the Black King its pure white blossoms contrast finely with the former. **Pkt. 15c.**

**BLACK KING**—A giant flowering, coal black variety of recent introduction from Germany. The flowers are of firm texture, large size, exquisite shape and velvety appearance. One of the finest we have ever grown for bedding purposes. **Pkt. 15c.**



BLACK KING.

## GIANT GERMAN PANSIES.

Our seed of these large flowering sorts comes from the best German growers and is unsurpassed for lavish blooming qualities and their great variety of colorings.

**BLACK PRINCE** — An improvement on Faust, the well known black variety. Flowers larger and produced in greater abundance. **Pkt. 15c.**

**BLUE PRINCE**—A rich dark purple or blue black, shading to lavender. **Pkt. 15c.**

**BRIDESMAID**—A new variety of great merit. Color white shining rose, most beautifully blotched. **Pkt. 15c.**

**BRONZE QUEEN**—The flowers are of good size and produced in great profusion. The colors are a rich brown or bronze, shading to light mahogany. **Pkt. 15c.**

**CASSIER'S GIANT**—Mammoth flowers of every color. **Pkt. 15c.**

**EMPEROR FREDERICK** — Deep purplish red with golden bronze center and a broad margin of scarlet and yellow. **Pkt. 15c.**

**FAUST**—The darkest variety grown; almost a coal black. **Pkt. 10c.**

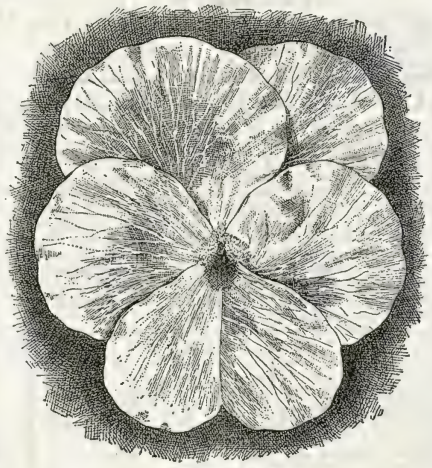
**FIRE DRAGON**—A deep fiery red. **Pkt. 10c.**

**FIRE KING**—Upper petals and part of lower a deep brownish red, balance of flower golden yellow. **Pkt. 10c.**

**FREDERICK THE GREAT**—Yellow, with dark center. **Pkt. 10c.**

**GIANT EMPEROR WILLIAM**—Flowers of a beautiful shade of blue, which gradually deepen to purple. **Pkt. 10c.**

**GIANT FIVE SPOTTED**—Blooms of largest size with distinct blotches on each petal. **Pkt. 25c.**



SNOWFLAKE.

**GOLDEN YELLOW FIVE SPOTTED**—Most showy. **Pkt. 25c.**

**GIANT STRIPED**—Very showy. **Pkt. 10c.**

**GIANT PEACOCK**—Peacock blue, edged white. **Pkt. 20c.**

**PRINCE BISMARCK**—Brown and golden bronze marbled. **Pkt. 10c.**

**PURPLE KING**—A most beautiful variety from the Fatherland. Blossoms of largest size and plump, rounded form. Color clear purple, most delicately margined golden yellow. **Pkt. 15c**

**REX**—Another choice variety of blackish violet purple color. Very distinct. **Pkt. 10c.**

**Collection of 12 choice named German Pansies Our selection, for $1.00.**

### STANDARD AMERICAN VARIETIES.

**ALPINE BELLE**—Light blue. **Pkt. 10c.**

**BROWN QUEEN**—Brown, shading to mahogany. **Pkt 10c.**

**EXCELSIOR**—Blue with yellow eye. **Pkt 15c.**

**MARGINATA** — Deep blue, bordered creamy white. **Pkt. 10c.**

**SUNBEAM**—Rose, shaded pink. **Pkt. 10c.**

**SWANLEY BLUE**—Light blue. **Pkt. 10c.**

**VIOLET**—Margined white. **Pkt. 10c.**

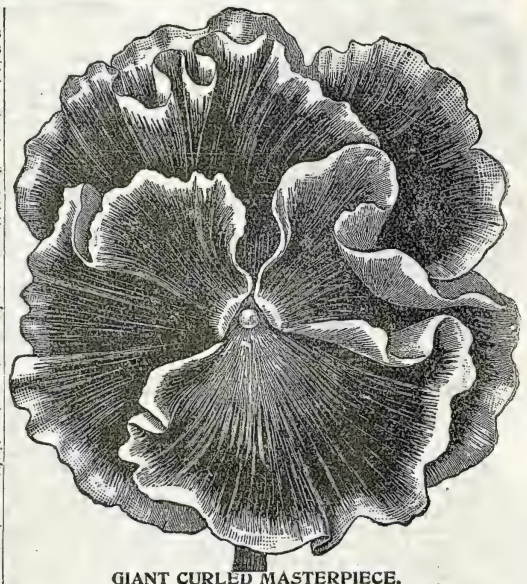
**GOLD MARGINED**—Pkt. 10c.

**KING OF YELLOWS**—Yellow. **Pkt. 10c.**

**MOURNING BRIDE**—Purple. White Edge. **Pkt 10c.**

**SNOW QUEEN**—Pure white. **Pkt. 10c.**

**These 11 Varieties for 75c.**



GIANT CURLED MASTERPIECE.

**GIANT CURLED MASTERPIECE**—A remarkable new type, which will be warmly welcomed by the lovers of this beautiful class of flowers. The chief difference from other strains consists in the form of the flowers, the border of each petal being curled or waved, giving the flower a doubled or globular appearance. The large size of the flowers and the free-flowering qualities of the plant make it valuable for bedding purposes. Another feature is that it produces some tints of color not found in any other pansy. **Pkt. 20c, 3 pkts. 50c.**

## PARIS PRIZE PANSIES.

A charming collection of varieties procured direct from the leading growers in France. They are noted for their size and beautiful coloring, also for the freedom with which their flowers are produced. They begin to bloom very early and produce an almost endless array of flowers of all colors until cut down by the severe frosts.

**BUGNOT'S EXHIBITION**—This beautiful strain of large flowering pansies is one of the very finest ever introduced. These seeds were saved from plants grown from the introducer's original seed. They speak for themselves, and no pen can do justice to their marvelous beauty and colorings. They will satisfy the most fastidious. **Pkt 35c.**

**BUGNOT'S LARGE FLOWERING**—Large flowers, broad blotches with delicate pencilings to the edge of the petals. **Pkt. 25c.**

**GIANT PARISIAN**—There is usually a large "blotch" on each of the five petals, with a surrounding band of some strikingly contrasting color, over all of which is thrown a cobweb-like netting of yet another hue. The prevailing shades are cinnamon, violet, canary and orange yellow, black, garnet, light blue, violet, indigo, cream, etc. This new mammoth strain has been brought up to a high standard of excellence, measuring, when properly cultivated, **four inches across. Pkt. 20c.**

**MAD. PERRET**—The flowers are of the largest size and beautifully marked, blue, red and violet. **Pkt 10c.**

**ODIER**—A superb strain of various colored, perfectly formed flowers, with dark blotches on the petals. **Pkt. 15c.**

**PRES. CARNOT**—New and strikingly beautiful pure white petals, each adorned with a deep violet blotch. **Pkt. 15c.**

**TRIMARDEAU MIXED** — A magnificent strain noted for the immense size of their blossoms. **Pkt. 10c.**

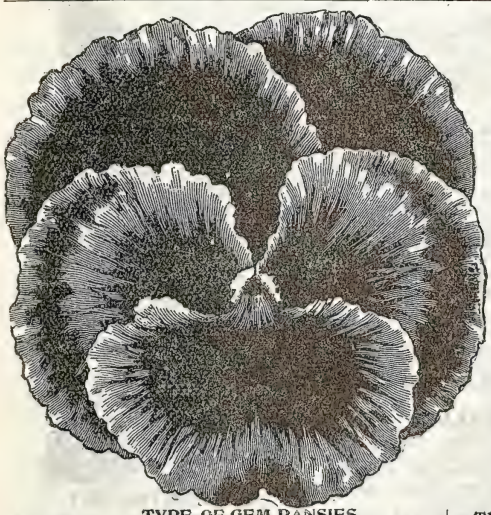
**PRES. FAURE**—A beautiful white pansy of large size, each blossom having a distinct dark eye. **Pkt. 10c.**

**8 Varieties Named Above for $1.00.**

**Collection of 10 named varieties, our selection from this page, for 75c.**

This will make a magnificent showing at less expense than the fancy mixed sorts.

Poppy, Lavender Gem.



TYPE OF GEM PANSIES.

## MAY'S GEM PANSIES.

In introducing this valuable strain to our patrons we do so with the full assurance that it will give the most unbounded satisfaction in every respect. For years we have been gathering from the most reliable sources in Europe the choicest strains of large, free-flowering sorts that have been offered, including nearly all of the high priced novelties. These we have carefully tested, discarding all except those of unquestionable merit which we have retained and sown, until today we have what is undoubtedly the finest mixture for general cultivation of large flowering pansies in the world. They are remarkable for their large size, free flowering qualities, gorgeous blossoms and their varied markings and colorings. We offer them only at retail, as **we wish our best customers, the real growers and lovers of rare flowers who buy in small quantities, to have the best that money can buy** Pkt 25c, 3 pkts. 50c, 1-4 oz. $1.00. **No more than 1-4 oz. to any one customer.**

### ELITE ENGLISH PANSIES.

**LORD BEACONSFIELD**—Light blue and purple. **Pkt. 10c.**
**KING RUFUS**—It opens a rich, deep crimson, which changes to a brownish shade. **Pkt. 10c.**
**ORANGE PRINCE**—Golden yellow, center shading to a rich brown. **Pkt. 10c.**
**VICTORIA**—Rich, velvety, claret red. **Pkt. 10c.**
**MAHOGANY**—Very fine and distinct. **Pkt. 10c.**
**OCEAN SPRAY**—Blue edged white. **Pkt. 10c.**

**6 Varieties Named Herewith for 50c.**

### PEERLESS MIXTURES.

Those of our customers who do not care to grow separate varieties as listed by us, but want choice mixtures for bedding on the lawn, will find the following mixtures very pleasing and satisfactory.

**MAY'S ROYAL MIXED**—This mixture contains over 30 of the leading varieties and strains, and will produce a bed of pansies which for size, coloring and freedom of bloom will be the admiration of all who see it. **Pkt. 20c.**
**STAR MIXED**—This splendid mixture is made up of Golden Queen, Snow Queen, Bronze Queen, Faust, Fire King and Emperor William. **Pkt. 15c.**
**COMMON MIXED**—This will produce an abundance of showy blooms, though not as large or beautiful as the more expensive varieties. **Pkt. 5c**

FAIRY BLUSH POPPY.

### POPPY, FAIRY BLUSH.

A distinct variety with very large perfectly double flowers measuring from 3 to 5 inches in diameter. The petals are elegantly fringed with pure white except the tips, which are distinctly colored rosy crenm, giving the flower the appearance of a large white feathery ball overcast with a rosy shade. **Pkt. 10c.**

## POPPIES.

**Annual.**

The desire for "old fashioned flowers" is becoming more pronounced each year. Many of the plants and flowers that were cultivated by our grandmothers are loved and admired today. Foremost among old time annuals we find the quick growing poppies, many of the improved varieties of which, rival the rose in size, beauty and keeping qualities. Easily grown, succeeding well everywhere, coming into bloom quickly and furnishing an abundance of bloom for weeks, no flower grown will yield better results than these. Our list comprises the best varieties known, all of which are sure to please.

**LAVENDER GEM**—(See cut opp. page.) This enchanting variety is extra large, very double, of a clear lavender color, making it most distinct and beautiful. This and **Fairy Blush** are good companion varieties, the colors contrasting most beautifully. **Pkt. 10c.**

### HYBRID ORIENTAL POPPIES

**Perennial.**

These are exceedingly showy and perfectly hardy. Flowers are produced on long stems, are 6 inches or over in diameter, in many novel colors such as salmon, pink, cherry, crimson, etc. **Pkt. 15c.**

ENGLISH SHOW.

**ENGLISH SHOW PANSIES**—This is made up of the famous English varieties introduced a few years since by the royal gardener to Her Majesty, Queen Victoria. They are remarkable for their large size, varied colors, and the thick, tough nature of their petals which enables them to stand all conditions of weather without damage. **Pkt. 10c.**

### ICELAND POPPIES

**Perennial.**

These are perfectly hardy and produce an endless array of blooms in great profusion each year. They grow about 12 inches high, bearing yellow, white and orange colored blossoms.

**Single Mixed, Pkt. 10c.**
**Double Mixed, Pkt. 10c.**

### DWARF SHIRLEY POPPIES.

These charming flowers are a delight to all who have grown them. They are single and semi-double, ranging in color from pure white through the most delicate shades of pale pink, rose and carmine, to deepest crimson. Many of them are delicately edged and fringed. If cut in the bud state and placed in water they may be kept fresh for a long time. They grow from 15 to 18 inches high and produce a great profusion of bloom for several weeks in mid-summer. **Pkt. 10c, 1-4 oz. 50c.**

### RHODOCHITON.

(Purple Bells.) **Tender Perennial.**

A handsome climber; the upper surface of the leaves a bright green, the under side purplish red. Flowers are two inches long, a bright claret red. **Pkt 5c**

## POPPIES.

### BEST NAMED SORTS.

**CRIMSON QUEEN**—Large, perfectly formed, double crimson flowers. **Pkt. 10c.**
**MEPHISTO**—Large scarlet blooms spotted violet purple. **Pkt. 10c.**
**MIKADO**—Petals pure white, with fringed crimson scarlet edges. **Pkt. 10c.**
**PEACOCK**—Intense scarlet with broad bands or zones of purplish black. Very distinct. **Pkt. 10c.**
**SNOWDRIFT**--Double pure white blossoms; very large and fine. **Pkt. 10c.**
**SCARLET TULIP**—Large scarlet blossoms with a dark spot at base of petal. **Pkt. 10c.**
**TREE POPPY**—Grows to a height of 2 or 3 feet and produces beautiful golden flowers in great profusion. **Pkt. 10c.**
**UMBROSUM**—Rich vermillion, with a deep shining black spot on each petal, thus forming a black cross. **Pkt. 5c.**
**IMPERIAL MIXED**—A magnificent mixture containing over 20 of the best named sorts. **Pkt. 10c.**
**COMMON MIXED**—All colors. **Pkt. 5c, oz. 10c**

### CALIFORNIA POPPIES.

(Eschscholtzia.)

**AURANTICA**—Rich orange. **Pkt. 5c.**
**MANDARIN**—Inner side of petal rich orange; outer, brilliant scarlet. **Pkt. 5c.**
**SNOW CAPPED**—Large white. **Pkt. 10c.**
**GOLDEN CROSS**—Flowers from 4 to 6 inches in diameter. Color light canary yellow with an orange blotch at the base of each petal, forming a maltese cross in centre. **Pkt. 10c.**
**MIXED**—All colors. **Pkt. 5c.**

**COLLECTION No. 62.**
**15 Packets Poppy Seed selected from named varieties on this page, customer's selection, for $1 00.**

**COLLECTION No. 63.**
**7 Packets Poppy Seed, named varieties, including Iceland and Shirley, for 50c.**

## POLYANTHUS.

**Annual.**

Splendid spring flowering plants either for pot culture or open bedding. The flowers are of the richest shades of color. **Pkt 5c.**

## PORTULACA.

(Moss Rose.) **Annual.**

These free flowering little plants produce the most brilliant display of blooms of any in the entire list.

### SINGLE VARIETIES

**AURANTICA**—Rich yellow. **Pkt. 5c.**
**ALBA**—Pure white. **Pkt. 5c.**
**SCARLET**—Bright shade. **Pkt. 5c.**
**ROSE**—Delicately tinted. **Pkt. 5c.**
**MIXED**—All colors. **Pkt. 5c, oz. 35c.**
**DOUBLE MIXED**—All colors. **Pkt. 10c.**

## PYRETHRUM AUREUM.

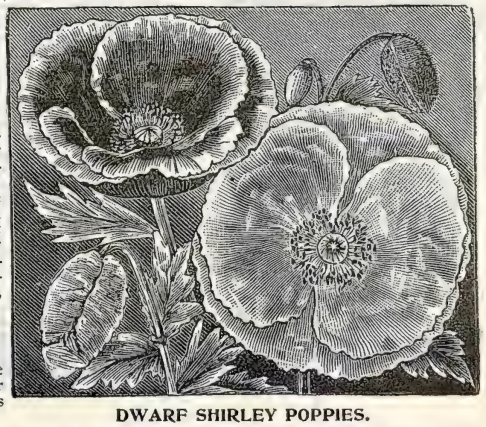
(Golden Feather.) **Hardy Perennial.**

A handsome, hardy, herbaceous plant with bright, rich, yellow foliage. **Pkt. 5c.**

## RICINUS.

(Castor Oil Bean.) **Half Hardy Annual.**

**CAMBODGIENSIS**—Handsome dark foliage. **Pkt. 5c.**
**ZANZABARIENSIS**—Very dark leaves. Plants attain an immense size. **Pkt. 5c.**
**MIXED**—**Pkt. 5c, oz. 10c.**



DWARF SHIRLEY POPPIES.

CHINESE PRIMROSE.

## PRIMULA.

(Primrose.) **Tender Perennial.**

**CHINESE**—To this class belong the beautiful large flowering graceful varieties so universally admired. Our strain of these is extra choice, being grown especially for florists' trade.
**SINGLE FRINGED—Blue, White, Crimson, Bright Red, Mixed. Pkt. each 25c or 3 for 50c.**
**DOUBLE FRINGED—Choice Mixed. Pkt. 25c.**
**SINGLE MIXED**—All colors, not fringed. **Pkt. 10c.**
**ACAULIS**—This is the hardy garden primrose. Succeeds with slight protection in any location. Blossoms very early in spring. **Pkt. 10c.**
**FORBESI**—(Baby Primrose)—This little treasure is one of the most delightful plants ever introduced. It commences to blossom when only a few inches high and flowers continuously throughout the year. The blooms are small, pinkish white, borne on long stems and remain fresh a long time after being cut and placed in water. It is one of the few house plants, that is readily grown from seed, which succeeds well everywhere. **Pkt. 15c.**
**JAPONICA MIXED**—This variety is semi-hardy, producing bright, showy flowers on long stems. **Pkt. 10c.**
**OBCONICA GRANDIFLORA**—This is a handsome variety, forming immense clumps of showy green leaves, from which rise tall, graceful stems bearing large fringed flowers of a delicate pink tint. **Pkt. 10c.**

## ROSE.

(Dwarf Polyantha or Fairy.) **Half Hardy Perennial.**
Produces in great profusion beautiful miniature roses. **Pkt. 15c.**

## RUDBECKIA.

**Bicolor Superba.** (Cone Flower.) **Annual.**
Grows 18 inches high, producing yellow flowers with a dark purplish black centre. **Pkt. 5c.**

## RANUNCULUS.

**Asiaticus Superbus. Perennial.**
A most beautiful low growing plant, covered in early spring with many colored flowers. **Pkt. 10c.**

## SALPIGLOSSIS.

**Annual.**

These are very ornamental and useful for autumn decoration. The blossoms are funnel shaped, most curiously marked and penciled.
**EMPEROR**—This new strain of these gorgeous flowers grows one main stem about 30 inches, which is thickly studded with large flowers of a great variety of colors and most handsomely veined. They are the only flowers to our knowledge that show glintings of true gold in their make. They are easily cultivated and most popular wherever grown. **Pkt. 10c.**
**GRANDIFLORA MIXED**—Large flowers in a great variety of colors. **Pkt. 5c.**

SALPIGLOSSIS, EMPEROR.

## SCABIOSA.

(Mourning Bride.) **Annual.**

These beautiful flowering plants produce a great profusion of richly colored double flowers of various shades and colors.
**Dwarf Mixed, Tall Mixed. Pkt 5c, oz. 10c.**

## SCHIZANTHUS.

(Butterfly Flower.) **Annual**

Beautifully fringed attractive flowers, somewhat resembling large butterflies. **Pkt. 5c, oz. 15c.**

## SILENE.

(Catchfly.) **Annual.**

Dwarf flowering plants which produce bright flowers in rose, pink and pure white colors. **Pkt. 5c, oz. 10c.**

## SMILAX.

**Annual.**

Fresh seed from the best growers. Special prices by the ounce and pound. **Pkt. 5c.**

## SOLANUM CAPSICASTRUM.

(Jerusalem Cherry.) **Tender Perennial.**

Fine for house culture. Handsome foliage and bright, round, scarlet fruit in great abundance. **Pkt. 5c.**

## STOCKS.

**German Ten Weeks. Annual.**
**DWARF YELLOW—Pkt. 5c.** **DWARF WHITE—Pkt. 5c.**
**DWARF CRIMSON—Pkt. 5c.** **DWARF BLUE—Pkt. 5c.**
**DWARF ROSE—Pkt. 5c.** **DWARF DOUBLE MIXED—Pkt. 5c.**
**Collection of 6 Packets for 25c.**
**CHOICE POT GROWN SEED**—For florists and others who desire an extra fine strain. In **White, Crimson, Blue and Rose. Pkt. Each, 15c. 4 Pkts. 50c.**
**WHITE VIENNA**—A charming dwarf white variety which blossoms very early and is of the most compact habit. **This we believe is far superior to the well-known "Snowflake," as the flowers are much more freely produced and the heads are of the most perfect formation. Pkt. 10c.**

SALVIA, SILVER SPOT.

## SALVIA.

(Flowering Sage.)

Favorite bedding plants, producing long spikes of flowers in great profusion from July till killed by frost.
**SILVER SPOT**—The old and well known "Scarlet Sage" or Salvia Splendens, with its spikes of dazzling scarlet blossoms, is a most desirable plant for growing singly in pots or massed in beds on the lawn. In this new variety we not only have an improvement in the size of the bloom and brilliancy of coloring over the old Scarlet Sage, but in addition the foliage is of most striking and intense beauty. The leaves are of darkest green, profusely spotted with white, giving the plant a most wondrous beauty. The bright scarlet blooms in their setting of foliage form a rare combination of grace and beauty never before found in any plant. The plant is of very neat, compact habit of growth, and a most prolific bloomer. It will thrive in any rich garden soil, but to obtain the best results seed should be started early in the house and the young plants transplanted to the open ground as soon as the weather is warm and settled. Seeds sown in the open ground will make handsome, showy plants for fall, which may be taken up and potted for winter blooming in the house. **Pkt. 15c.**
**BLUE BEARD—Annual. Pkt. 5c, oz. 10c.**
**SPLENDENS**—(Scarlet Sage.) **Perennial.** Beautiful bright scarlet. Very showy and attractive. **Pkt. 10c.**

## SUNFLOWER.

(Helianthus.) **Annual.**

**GIANT RUSSIAN**—Flowers of enormous size. **Pkt. 5c.**
**GLOBOSUS**—Large globular heads of bloom of a rich saffron shade. **Pkt. 5c.**
**SILVER LEAF**—Silvery foliage; blooms yellow and black. **Pkt. 5c**
**STELLA**—Blossoms 4 inches in diameter, of a rich golden yellow with black discs. **Pkt. 5c.**

## SWAINSONIA.

**Tender Perennial.**

A popular house plant somewhat resembling Sweet Peas. **Pink, White, Mixed. Pkt. Each, 5c.**

## TRANSVAAL ARBOR PLANT.

Among the other treasures recently introduced from the South African veldt, this mammoth Arbor Plant stands out most prominently. It is a hardy herbaceous perennial, growing readily from seed and attaining gigantic proportions in two or three years. Its strong, stiff leaf stalks often measure from 6 to 10 feet in height, while its mammoth leaves are of most distinct and striking beauty. When they first appear in the spring they are of a beautiful brownish red color, which gradually changes to deep olive green. They are from 3 to 4 feet in breadth, with strong stout mid-ribs, and the whole upper surface studded with short, sharp spines, the whole leaf being of stout, firm texture, withstanding wind and rain with impunity. These plants are fine for groups on large lawns, etc., or as single specimen plants. They require a slight protection of leaves or strawy manure in the winter. **Pkt. 15c.**

TRANSVAAL ARBOR PLANT.

# SWEET PEAS.

Of all the flowers grown by amateurs none are so universally popular nor so widely cultivated as these gems of the garden. Possessed of unbounded beauty in their various colorings and markings, of most delicate perfume, of graceful form and arrangement, very productive and easily cultivated, they naturally occupy first place among the garden annuals.

The great improvement in varieties the past few years has been more marked than in any other class of flowers. Recent introductions are of immense size, highly perfumed and the most exquisite colors and tintings imaginable. Our collections embrace all the good older varieties as well as all the meritorious sorts of recent introduction.

**CULTURAL HINTS**—We are often asked, "What treatment or culture shall I give my Sweet Peas that I may grow them successfully?" It is almost impossible to give instruction that will cover every locality, as much depends on soil, situation, etc. However, by following the general hints which we give herewith, modified by your own judgment to suit the local conditions, you should be able to grow good sweet peas. A deep, rich, moist soil is best suited to sweet peas. Plant early in rows north and south. Make a trench 12 inches deep and 15 inches wide, covering the seed 1 inch deep, in two rows 10 inches apart and seeds 4 inches apart in the rows. When well up, fill in the earth gradually as they grow, until the trenches are full. The object is to get the roots well down, so that they may resist drouth. Use brush or trellis 5 or 6 feet high. The plants should not be raised for two successive seasons on the same ground after culinary peas. The use of artificial fertilizers, bone meal, nitrate of soda, etc., can be made at the time of planting or soon after. Frequent stirring of the soil with hoe or cultivator in dry weather, thus producing a dust mulch, is preferable to artificial watering, unless irrigating facilities afford opportunities for a regular and abundant supply of water. Do not allow any flowers to go to seed, else the plants will stop blooming.

## MAY'S IMPERIAL COLLECTION.

This consists of seven of the large, free flowering class, unsurpassed for size and beauty of blossoms and freedom and vigor of growth. This collection gives a good assortment of colors.

**PRICE—Unless otherwise noted. Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 75c.**

**AMERICA**—Almost pure white ground, heavily striped with bright blood red.

**APPLE BLOSSOM**—The standards are clear pink shading to rose, and the wings a delicate pale pink.

**BLUE BELL**—Standards purplish blue, wings deep violet.

**COUNTESS OF RADNOR**—Clear lavender.

**FIREFLY**—Deep glowing scarlet.

**GRACE MAY**—A giant flowering white. **Pkt. 5c, oz. 15c, 1-4 lb. 30c. lb $1.00.**

**MRS. ECKFORD**—Large blooms, primrose yellow.

**Collection of 7 packets for 25c or 7 ounces for 50c.**

## DWARF OR CUPID VARIETIES.

These little beauties grow to a height of 6 to 8 inches, covering a circumference of 18 to 20 inches and show no tendency to climb or trail.

**Pkt 5c, oz. 15c, 1-4 lb. 30c, lb. $1.00.**

**ALICE ECKFORD** — Creamy pink and white.

**APPLE BLOSSOM**—A charming combination of pink and white.

**BEAUTY**—Rose, streaked and shaded carmine and white.

**BOREATTON**—Rich maroon.

**CAPTAIN OF THE BLUES**—Bright purplish blue.

**COUNTESS OF RADNOR**—Clear lavender.

**EXTRA EARLY BLANCHE FERRY**—Pink and white.

**FIREFLY**—Bright crimson.

**HER MAJESTY**—Deep rosy crimson.

**PINK**—Clear bright pink.

**PRIMROSE**—Creamy yellow.

**ROYALTY**—Deep rose pink.

**WHITE**—Pure white.

**MIXED**—All colors.

## NEW BUSH VARIETIES.

This new race of Sweet Peas grows from 14 to 20 inches in height, forming round, bushy plants, the flowers all being borne on top of the plant. Planted in a row about 6 inches apart they form a perfect hedge, which, when covered with bloom, is most beautiful. **Pkt. 10c, oz. 20c 1-4 lb. 50c.**

**BLANCHE FERRY**—Pink and white.

**GRAY FRIAR**—Watered purple on white.

**HER MAJESTY**—Deep carmine rose.

**MONARCH**—Maroon and purple.

**PRIMA DONNA**—Soft pink.

**RAMONA**—Creamy white splashed with pink.

**SADIE BURPEE—White Seeded** — Large, snowy white.

**SENATOR**—Striped white, maroon and purple.

**STELLA MORSE**—Cream, pink and apricot.

**MIXED—All colors.**

## DOUBLE FLOWERING SORTS.

These are of rare beauty, of extremely robust habit of growth, and produce a lavish supply of bloom throughout the season. While the flowers from double seed do not all come double, a goodly proportion of them do, while the single blossoms grown from such seed are extremely large and handsome. **Pkt. 5c, oz. 10c, 1-4 lb. 40c.**

**BOREATTON**—Dark maroon.

**BRIDE OF NIAGARA**—Rose and white.

**DOROTHY VICK**—Scarlet crimson.

**SENATOR**—Violet purple.

**WHITE**—Pure white.

**MIXED—All colors.**

IMPERIAL MIXED SWEET PEAS.

**Any 7 packets listed on this page for 25 cents.**
**Any 7 ounces for 50 cents**

**CALIFORNIA GIANTS**—A fine mixture of American grown sorts, including the largest and best in their class. **Pkt. 10c, oz. 15c, 1-4 lb. 40c, lb. $1.00.**

**GOLD MEDAL MIXED**—A grand collection of varieties including many of the high priced novelties as well as the double sorts. **Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 75c.**

**IMPERIAL MIXED**—This mixture is made from the named varieties in our Imperial Collection and other choice kinds. **Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 75c.**

**PARIS PRIZE MIXED**—This is made of the best named varieties which were awarded first prize at Paris in 1900. These were all American grown and are the **best in the world.** This mixture is the most popular ever offered. **Pkt. 5c, oz. 10c, 1-4 lb. 25c, lb. 75c.**

**GOOD MIXED**—This is a good grade containing a good proportion of large flowering sorts. While not as expensive or as nice as our other mixtures, it is very desirable for sowing for market purposes and is sure to please. **Pkt. 5c, oz. 10c, 1-4 lb. 15c, lb 45c.**

**EXTRA EARLY BLANCHE FERRY**—Judged by the quantities of seed sold, this is the most popular variety grown. It is one of the earliest sorts in cultivation, and on this account is largely grown by florists and others for early market. The flowers are of large size and fine form, of a rosy pink color. **Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 60c.**

## GENERAL LIST.

**Price, unless otherwise noted. Pkt. 5c, oz. 10c, 1-4 lb. 20c, lb. 60c postpaid, or 50c per lb. by express at purchaser's expense.**

**ADMIRATION**—Rosy lavender.

**ALICE ECKFORD**—Creamy white.

**AMERICAN QUEEN**—Salmon rose.

**AURORA**—Standards and wings beautifully flaked with orange salmon on a creamy white ground.

**BRONZE KING**—Coppery pink.

**CALYPSO**—Deep rose pink.

**CAPTIVATION**—Wine colored.

**COCCINEA**—Rich cerise.

**COQUETTE**—Primrose and lavender.

**COUNTESS CADOGAN**—Purplish blue.

**COUNTESS OF LATHOM**—Soft cream tint heavily shaded with soft flesh pink in the centre.

**CROWN JEWELL**—Primrose yellow.

**DOROTHY TENNANT**—Rosy mauve.

**DUCHESS OF WESTMINSTER**—Cream.

**DUKE OF CLARENCE**—Rosy claret.

**DUKE OF SUTHERLAND**—Standards, deep claret with strong reddish tinge, deepening to rich purple at base; wings deep violet purple.

**DUKE OF WESTMINSTER**—Rosy claret.

**EARLIEST OF ALL**—Standards, bright rosy pink; wings creamy white, suffused with pale rose. Ten days earlier than Extra Early Blanche Ferry.

**ELIZA ECKFORD**—Flesh pink.

**EMILY ECKFORD**—Rosy purple.

**EMILY HENDERSON**—Pure white.

**EMILY LYNCH**—Rose pink.

**FASCINATION**—Rosy lavender.

**GEORGE GORDON**—Reddish crimson.

**GOLDEN ROSE**—Primrose yellow.

**GORGEOUS**—Salmon orange.

**GRAY FRIAR**—White, shaded gray.

**HON. F. BOUVERIE**—Pinkish salmon.

**JEANNIE GORDON**—Bright rose.

**JOSEPHINE WHITE**—A pure white, early flowering sort.

**LADY GRISEL HAMILTON**—Lavender.

**LADY MARY CURRIE**—Rose pink.

**LADY M ORMSBY GORE**—Standards, delicately shaded with buff and fawn; wings clear primrose.

**LADY NINA BALFOUR**—Mouse colored.

**LORD KENYON**—Rose pink.

**LOTTIE ECKFORD**—White and lavender.

**LOTTIE HUTCHINS** — White, striped pink.

**LOVELY**—Soft shell pink.

**MAID OF HONOR**—Light blue.

**MAJESTIC**—Rose pink.

**MISS WILLMOTT**—Orange pink.

**MODESTY**—Delicate pink.

**MONT BLANC**—Pure white.

**MRS. DUGDALE**—Carmine rose.

**MRS. FITZGERALD**—Soft rose.

**NAVY BLUE**—Violet purple.

**NEW COUNTESS**—Light lavender.

**ODDITY**—Carmine pink.

**ORIENTAL**—Bright orange salmon.

**OTHELLO**—Deep maroon.

**OVID**—Deep rose pink.

**PINK FRIAR**—Carmine rose.

**PRIMA DONNA**—Blush pink.

**PRINCE EDWARD OF YORK**—Scarlet.

**PRINCE OF WALES**—Deep rose.

**QUEEN VICTORIA**—Primrose yellow.

**RAMONA**—White, splashed pink.

**ROYAL ROSE**—Rosy pink.

**SADIE BURPEE**—Pure white.

**SALOPIAN**—Finest scarlet.

**SENATOR**—White, striped maroon.

**SHAZADA**—Dark maroon.

**SNAPDRAGON**—Creamy white.

**STELLA MORSE**—Apricot colored.

**THE HON. MRS. E. KENYON**—Primrose.

**VENUS**—Salmon buff.

GIANT MIXED ZINNIA.

## ZINNIA.

These large, free flowering plants continue to be among the most popular of the summer blooming annuals. Where a fine effect in massing is desired nothing can equal them for effectiveness. For hedges, border, etc., they are equally good and are most beautiful with their dazzling display of bright colors.

**GIANT MIXED**—The flowers grown from this mixture are very large, some measuring 5 inches in diameter, perfectly double, and of every conceivable shade of color. Plants grow about 30 inches high, commence to bloom early and continue a mass of loveliness until late fall. **Pkt. 10c.**

**CURLED AND CRESTED**—A beautiful variety, each plant producing from 100 to 200 large double flowers, with petals curiously twisted and curled into graceful and most fantastic forms, comprising all the many colors found in this beautiful class of flowers. **Pkt. 10c.**

**FIREBRAND**—Flowers are of mammoth size, as double as the Dahlia, while the color is by far the brightest scarlet ever seen in any flower. **Pkt. 10c.**

**ZEBRA**—A suberb variety, giant in size, perfectly double and handsomely striped and marked with various colors. **Pkt 10c.**

**Collection of 4 varieties described above for 25c.**

### DWARF VARIETIES.

**Double orange, double white, double canary, double mixed. Pkt. each, 5c.**

### TALL VARIETIES.

**Double white, double rose double yellow, double crimson. Pkt. each, 5c.**

**Double mixed. Pkt. 5c, oz. 25c.**



## SWEET WILLIAM.

(Dianthus Barbatus.) **Annual.**

### SINGLE VARIETIES.

**Crimson, scarlet, white, white margined, mixed, all colors. Pkt. Each, 5c. Mixed, oz. 10c.**

### DOUBLE VARIETIES.

**Crimson, white, mixed. Pkt. 5c.**

## THUNBERGIA.

**Annual.**

A handsome climber, each plant bearing hundreds of flowers of various shades of yellow and white. **Mixed seed. Pkt. 5c. oz. 50c.**

## TORENIA FOURNERI.

**Annual.**

Beautiful plants for baskets, vases, etc. Blue and white blossoms with yellow throat. **Pkt. 10c.**

## VINCA.

(Periwinkle.) **Annual.**

Handsome bushy plants bearing round, single flowers in great profusion. Blossoms are 1 to 1½ inches in diameter. **White, pink, mixed. Pkt. each, 5c.**

## VIOLET ODORATA.

(Sweet Violet.) **Perennial.**

Blossoms clear blue and highly perfumed. **Pkt. 10c.**

## WALL FLOWERS.

**Annual.**

**DOUBLE MIXED—All colors. Pkt. 10c.**
**SINGLE MIXED—Pkt. 10c.**

## WILD CUCUMBER

**Annual.**

For covering porches, trellises or any other thing where a climber can be used this is certainly the best plant we know of, if you want shade early in the season. It grows to a height of 20 or 30 feet in a remarkably short space of time, and is covered with a profusion of sweet-scented white flowers followed by prickly seed pods. **Pkt. 5c. oz. 25c.**

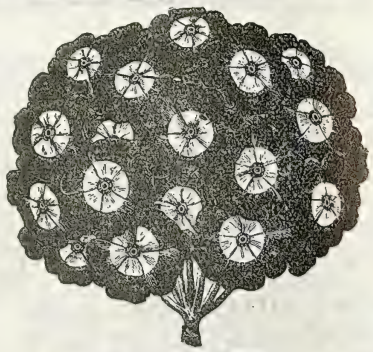
## VERBENAS.

Early flowering plants may be had by sowing the seed in boxes in the house and transplanting the plants to the open ground as soon as the soil is warm enough. Seed sown in the open garden in May will produce flowering plants by August. The mammoth flowering varieties excel in richness of color and size of blooms anything ever before offered in the line of Verbenas.

**ODORATA—A fragrant German variety.** Try this for your flower bed; it is one of the most delightfully-scented flowers ever produced, and a branch of cut blooms will perfume an entire room. The plant is a strong grower, and will bear an abundance of blossoms during the entire season. The seed we offer you was obtained by us direct from one of the leading flower seed firms of Europe, and we believe this verbena is one of the choicest flowers that can be grown for bouquets, etc. **Pkt. 5c.**

**SCARLET QUEEN**—An intense bright scarlet shade. Plants of vigorous growth. **Pkt. 10c.**

**TIGER**—Peculiarly striped flowers of many shades which render them very attractive and showy. **Pkt. 10c.**



MAYFIELD PRIZE.

**MAYFIELD PRIZE**—The plant is very dwarf, not growing over 6 inches in height and 10 or 12 inches in diameter. It blossoms profusely, throwing up its trusses of bloom well above the foliage during the entire season. The color is a clear, glowing crimson with a large, pure white eye. This mammoth flowering variety is one of the brightest, showiest, most prolific bloomers we have ever seen, and is well worthy a place in every collection. We have grown it for several years, testing it under the most adverse circumstances and have never known it to fail. For small beds or for borders for larger ones it is indispensable. **Pkt. 15c.**

**BLACK BEAUTY**—Blooms of the largest size, dark purple with a distinct light blue eye. **Pkt. 10c.**

**BLUE BOY**—Flowers of good size, a clear sky blue. Very handsome and distinct. **Pkt. 10c.**

**LAVENDER BEAUTY**—Charming large flowers of the most delicate shade of lavender or sky blue with an almost pure white centre. **Pkt. 10c.**

**MRS. CLEVELAND**—Large bunches of deep purplish blue black flowers, each one distinctly marked with a pure white eye. Flowers very profusely from early summer till killed by frost. **Pkt. 10c.**

**NORTHERN LIGHT**—Very large pure white blossoms, borne in great clusters resembling snowball blooms. **Pkt. 10c.**

**MAMMOTH MIXED**—This is a truly magnificent mixture including many of the choicest large flowering varieties. **Many of the individual blossoms measure 3 to 4 inches in diameter**, and are produced in the greatest profusion throughout the season. **Pkt. 10c.**

**CHOICE MIXTURE**—A good mixture of best sorts and sure to please. **Pkt. 5c.**

**PRIMROSE**—A distinct light yellow variety. Blooms of good size and freely produced. **Pkt. 10c.**

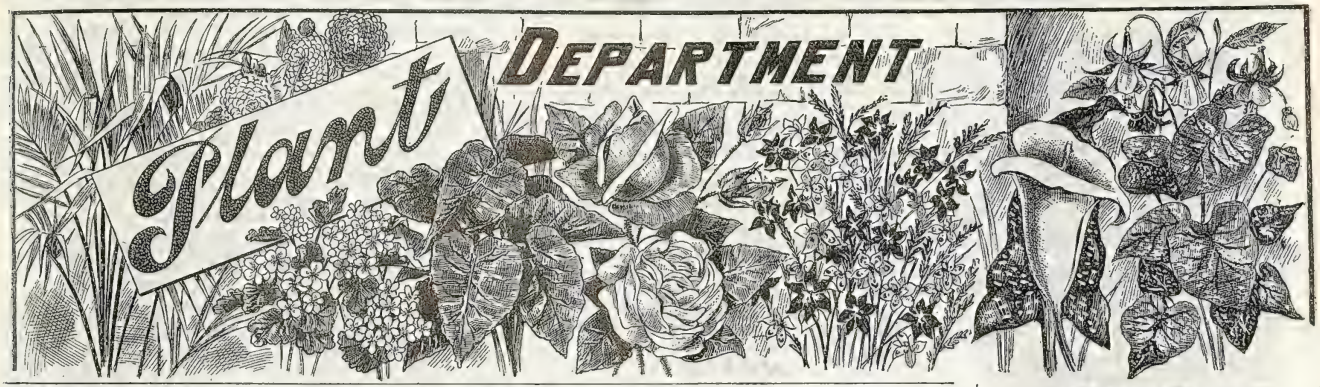
**ROYAL RED**—A handsome large flowering red variety. Its mammoth blossoms are very distinct and beautiful. **Pkt. 10c.**

**Collection of 11 Varieties for 75c.**

# WILD FLOWER GARDEN FOR CHILDREN.

There is need for a spot in the garden that the little ones can call their own, where the daintiest, sweetest flowers, easy of culture and of rapid growth can be grown for their special enjoyment. Nothing appeals so instantly to a young fancy as bright colors and beauty of form, and the influence on the mind when in its most receptive state, of a constant association with nature and its beauties, will be found to create beneficial impressions lasting a life time. Not only is the love of the beautiful and the artistic taste aroused, but there also comes a love of order and an incentive to work with a noble object when the child is given a personal interest in the cultivation of the garden. With a small expense of loving and thoughtful labor the Children's garden can be transformed into a delightfully attractive spot, overflowing with charm and fascination in its quaint, exquisite beauty, and forming the most instructive of schoolrooms and the happiest of playgrounds. This mixture embraces over 100 sorts of easy growing flowers most suitable for any bare or unslghtly spots in the yard, to sow along fences, on embankments, etc. All the cultivation necessary is some thinning out where the plants are too crowded and to keep the spot clear of weeds. **Our packages contain half an ounce of seed. Pkt. 10c.**

**For General List of Flower Seeds in bulk see Page 59.**




Our plants are grown under the "cold system," thus giving them the firmness of texture and abundance of roots to enable them to stand shipping well. This insures strong, thrifty stock far superior to that sent out by some firms who force their plants in overheated houses. Unlike many seedsmen who catalogue plants and bulbs, we do not have to depend on the open market for them, have them shipped from a distance and then repacked by inexperienced help. On the contrary, our plants are taken directly from the pots, packed and shipped the same day, the roots being disturbed as little as possible and not allowed to dry out.

**We have given** the packing of plants our careful attention and study for years and are constantly improving on our methods, until we have no hesitancy in saying that our methods of packing and shipping plants are the **best in the world.**

**PLANTS BY EXPRESS**—While plants can be safely sent by mail and our guarantee accompanies all such shipments, we would advise all customers ordering plants to have them sent by express. The cost is a trifle more, but our patrons are amply repaid by receiving larger and stronger plants, and we always include extras more than sufficient to cover express charges.

All plant orders will be mailed as soon as possible after receiving them, **weather permitting.** With our cold winters, however, it is oftentimes unsafe to ship any plants before March 1st. Not only will the plants arrive in better condition if shipped at that time, but they will be much larger and stronger than if shipped earlier, so that customers will lose nothing by waiting. If, however, our customers desire their plants immediately we will comply with their wishes in the matter as soon as we think it safe after receiving their orders. All plant and bulb orders are filled from our greenhouses and will be mailed in separate packages from there and not with the seeds.

**FREE.** **With all orders** for plants we send our booklet—**The A B C's of Successful Floriculture,** containing many valuable hints on the care and culture of house plants.

**EXTRA PLANTS**—While we do not offer discounts on plant orders we will give extra plants free of charge in all orders, whether sent by mail or express. The prices named by us are as low as good plants can be sold at. Our stock is well grown, carefully packed, and guaranteed to reach destination in good condition. We prefer to send out stock that will give satisfaction rather than offer big discounts and send out puny plants that will never be thrifty.

**IMPORTANT**—Plants sent by mail have but little soil left on the roots and should receive careful attention on their arrival. If they appear wilted, place them in luke warm water for fifteen or twenty minutes. This will greatly revive them. They are guaranteed to reach our customers in the United States in a perfectly healthy, living condition. If they do not, and we are notified immediately on their arrival, we will replace free of charge any that do not show signs of life on arrival. After arrival at destination in good condition our responsibility ceases. All plants will be sent by mail, postpaid, unless otherwise noted in our catologue or customer instructs otherwise. If sent by express the customer will pay express charges. **Please note that we guarantee the safe arrival of all plants sent by mail to any point in the United States, provided the above conditions are complied with by the customer.**

## ABUTILONS.

(Flowering Maple.)

Very showy, decorative, free growing, soft wooded shrubs, having leaves similar to the maple, with graceful, bell shaped flowers. They succeed best in a soil composed of equal parts of turfy loam, peat, leaf mould and some gritty sand. They require an abundance of water. **15c each unless otherwise noted**

**INFANT EULALIE**—Flowers extra large, perfect form and a clear satiny pink.

**GOLDEN BELLS**—Blooms a deep, rich, golden yellow. A very free flowering sort. **10c each.**

**SAVITZII**—Large deep green foliage with a broad white margin, not unlike the silver leaf Geraniums.

**SOUV DE BONN**—(See Cut.)—The most attractive of all the Abutilons, having dense, green, maple shaped leaves, distinctly bordered creamy white. The flowers are bright orange veined with crimson.

**SPLENDENS**—A beautiful deep red variety. A profuse and continuous bloomer. **10c each.**

**THOMPSONI PLENA**—Golden spotted leaves. Double orange colored blossoms. Very distinct and pretty.

## ACALYPHA SANDERI.

(Chenille Plant.)

(See Cut.) The plant is of branching habit, healthy foliage and the flowers are most remarkable. **The flower spikes** which appear in pairs from the axils of the leaves, **grow from two to three feet in length.** They are of **bright crimson color,** drooping and mixing among the green foliage with charming effect. For bright and curious effect it has no equal. It grows as easily as a coleus, and blooms continuously throughout the year. **25c each.**

## ALBIZZIA.

A beautiful plant from Persia, which produces clusters of rose colored, tassel-like blossoms borne on long stems well above the foliage. **15c each.**

## THE WONDERFUL AIR PLANT.

(See Cut.)—This novelty of the plant world will grow under all conditions, either in soil, water, or from exposure to the air in a moist place. The blooms are of curious formation and are produced very freely the entire year, making it particularly desirable for house culture and in nooks and corners where ordinary plants would not thrive. **15c each.**

## ASPARAGUS PLUMOSUS NANUS.

**Climbing Lace Fern.**

A most beautiful ornamental climbing plant for house culture. The leaves are a very deep green color, of fine lace-like texture, which remain green and fresh a long time after being cut. It is of climbing habit and can be easily trained to any desired shape or form of trellis. The plants which we offer have been grown cool, thus providing them with an abundance of tuberous roots which will throw up strong, feathered foliage of the most beautiful character. **Strong plants 25c each. Large plants, by express, 50c and $1.00 each.**

## ASPARAGUS SPRENGERI.

A very handsome trailing plant of recent introduction. Of very free and vigorous growth, producing sprays of beautiful green, feathery-like foliage 4 to 5 feet long. These remain green a long time after being cut, and are very useful for bouquets, wreaths and sprays. It is admirably adapted for hanging baskets in the house, as it thrives in a dry atmosphere in almost any position. It grows freely the entire year, and produces small, white, star shaped flowers which are soon followed by bright red berries. **25c each. Stronger plants, by express 50c, 75c and $1.00 each.**

ABUTILON SOUVENIR DE BONN.

CHENILLE PLANT.

AIR PLANT.

# IF YOU WANT THE BEST, BUY MAY'S PLANTS.

BRUGMANSIA.

BOUGAINVILLEA.

## ANTIGONON LEPTOPUS.

**The Wonderful Mountain Rose.**

It is a most rapid grower, a most profuse bloomer, and trained on a trellis or veranda affords an abundance of shade during the hot summer months. The blossoms are most beautiful, being of a rich carmine scarlet shade, and borne in immense clusters the entire length of the vine. The leaves are large and handsome, and the whole plant presents a pleasing appearance. **15c each.**

## ACALYPHA TRIUMPHANS.

A beautiful foliage plant with large, clean, healthy, showy foliage. The predominant color is red, marbled lighter and darker, streaked and dashed green, yellow, white and other colors. **15c each.**

## ACHYRANTHUS.

Dwarf growing foliage plant. Color a deep blood red. **10c each.**

## AGERATUM.

**Stella Gurney.**

Of dwarf, compact, even habit of growth, flowering very profusely, forming round bushy heads of fine deep blue, a shade not approached in any other bedding plant. **15c each.**

## ALTERNANTHERA.

Popular, dwarf growing foliage plants, valuable for carpet bedding or lettering on the lawn. **10c each.**

AUREA—Bright yellow.

PARYNCHOIDES—Orange red, shaded olive green.

## ASTERS.

Grown from the best selected seed. Colors white, pink, blue and red. **Strong Seedlings. Ready May 1st, 50c per doz. Pot plants, ready June 1st, 10c each, $1.00 per doz.**

## FLOWERING BEGONIAS.

Among the most popular and most satisfactory house plants grown. They may be cultivated successfully most anywhere, are ornamental on account of their clean shining foliage and their bright waxy flowers. **10c each, unless otherwise noted.**

ALBA PICTA—Large glossy, green leaves, thickly spotted with silvery white; blossoms pure white.

APPLE BLOSSOM—A dwarf growing, free flowering variety with beautiful pinkish white blossoms.

DIADEMA—A beautiful variety with large, deeply cut foliage, rich olive green with silvery dots and veins.

GLOIRE DE SCEAUX—Large lustrous dark green leaves tinged red. Flowers bright pink. **15c each.**

INCARNATA—Dark green leaves spotted white. Flowers bright showy pink borne on long stems well above the foliage.

MARGUERITE—Handsome bronzy green leaves. Blossoms rose colored, freely produced the entire year.

M. DE LESSEPS—Leaves green, of a peculiar silky texture, richly spotted with silver. Flowers white and rosy pink.

METALLICA—A most charming variety in every particular and the very best we have ever grown. It is a strong, rampant grower and a wonderfully free bloomer. The leaves are triangular shaped, the under side hairy, the upper surface of a lustrous metallic or bronze color, veined darker The flowers are nearly pure white. **15c each.**

OTTO HACKER—Large, shining, deep green leaves 8 to 10 inches long. Flowers bright coral red.

PAUL BRUANT—Leaves of deep olive green, of heavy texture. Flowers delicate rose, changing to white.

PRES. CARNOT — Foliage immense, similar to Rubra, but more than twice as large. Flowers coral red, produced in large panicles.

RUBRA—A rapid and vigorous grower, with deep green leaves; coral red blossoms.

THURSTONI—Pink flowers and metallic foliage.

VERNON—A new dwarf variety of recent introduction, especially valuable for bedding. The foliage is a rich, glossy green edged with red. The flowers when first opened are a deep red, which changes to a clear rose color when fully expanded. **10c each, $1.00 per doz., $6.00 per 100 by express.**

## REX BEGONIA.

**These are valuable for pot culture in the house, the grand and varied markings of the leaves rendering them very beautiful and showy 20c each.**

## BOUGAINVILLEA SANDERIANA.

**Chinese Paper Plant.**

As a pot plant it is magnificent, a strong, vigorous grower, with splendid, Camelia-like foliage, deep shining green. Plants commence to bloom in small pots and continue throughout the year. As the plant grows older it is literally covered with an amazing number of blossoms of a dazzling rosy crimson, with deep golden yellow anthers. Planted in pots and trained over a trellis, a large plant of this superb novelty presents one of the most beautiful sights imaginable. **25c each.**

## BROWALLIA JAMESONI.

**Orange Violet.**

An old but neglected plant, forming compact bushy heads, which, when the plants are in bloom are covered with large violet shaped flowers of a bright orange color, giving it a rich golden appearance. **15c each.**

## BRUGMANSIA.

One of the most beautiful plants of recent introduction. The flowers are drooping, bell shaped, of immense size, many of them being a foot and over in length and 8 to 10 inches in diameter. The color is creamy white, and it is very fragrant. A robust grower and a very free bloomer, it being no uncommon sight to see 20 to 30 of these immense blooms open at the same time. The bush attains a height of from 3 to 5 feet, can be grown outside in summer or indoors in winter. As it is quite tender, care must be taken to remove it indoors as soon as frost appears. **20c each.**

## CALADIUM ESCULENTUM.

**Elephant's Ear.**

A well known tropical plant bearing immense leaves of thick leathery substance. For large beds on the lawn or as single specimen plants, nothing is more beautiful or striking in appearance. **Good sized bulbs 15c, Large bulbs 25c, Mammoth 35c.**

## CISSUS DISCOLOR.

**Chameleon Vine.**

A beautiful and luxuriant climber, with sharp pointed, heart shaped leaves, the upper surface of a dark, velvety green, with broad markings of white following the veins, the under surface of a deep reddish purple. **20c each.**

## CLERODENDRON BALFOURI.

(See second cut page 67.) These flowers are produced in great abundance, and as shown in the illustration, are of a drooping habit, slightly resembling the blossoms of a Fuchsia. Color, white and scarlet. **15c each.**

## CORONILLA GLAUCA.

A thrifty, rapid growing, bushy little plant bearing an abundance of fragrant, pea shaped, yellow flowers. **15c each.**

ANTIGONON LEPTOPUS.

CALADIUM ESCULENTUM.

BEGONIA, METALLICA.

BEGONIA, REX.

## CANNAS.

These are the showiest bedding plants grown. From a list of over 100 varieties grown at our nurseries we have selected the following as the best in their respective colors. We can supply all the standard varieties, but would especially recommend those listed here. **15c each, $1.50 per doz., postpaid. $8.00 per 100 by express, unless otherwise noted**

**EXTRA STRONG PLANTS**—We can supply strong pot grown plants 12 to 15 inches high, for shipment May 15th, customers' choice of colors, but our selection of varieties. These are fine for immediate effect on the lawn, as many of them will be ready to flower or in blossom when shipped. **$2.00 per doz. or $15.00 per 100 by express at purchaser's expense**

### CANNA BED COLLECTIONS.

**Collection No. 1—For a Bed 6 Feet in Diameter. 1 Burbank 15c; 4 Admirable Dewey 60c; 10 Florence Vaughan $1.50. Set of 15 for $2.00 postpaid, or $1.50 by express**

**Collection No. 2—For a Bed 9 Feet in Diameter. 1 Marlboro 20c; 6 Pres. Cleveland 90c; 10 Mad. Crozy $1 25; 16 Florence Vaughan $2.00. Set of 33 for $4.00 postpaid, or $3.50 by express.**

**Collection No 3—For a Bed 12 Feet in Diameter. 3 Black Prince 45c; 8 Burbank $1.00; 15 Admiral Dewey $1.88; 25 Florence Vaughan $4.00. Set of 51 for 6.00 postpaid, or $5.50 by express.**

**ADMIRAL DEWEY**—A rich crimson; a strong, compact grower attaining a height of 4 feet.

**BURBANK**—Extra large blooms of pure canary yellow. Grows 5 feet high.

**BLACK PRINCE**—Dark velvety maroon flowers. Foliage deep green edged with purple. Height, 3 to 4 feet.

**FLORENCE VAUGHAN**—Blooms large, yellow, heavily splashed red. Height, 4 to 5 feet.

**GLORIOSA**—A very fine dwarf growing, large flowering variety. The petals are a rich glowing scarlet crimson, distinctly marked with a broad band of golden yellow around the outer edges. It is particularly adapted to plant as a border around the beds of taller sorts, as well as for pot culture. Height, 18 to 24 inches. **20c each.**

**MAD. CROZY**—A dazzling crimson scarlet, bordered with golden yellow. Height, 3½ feet.

**MARLBORO**—Darkest crimson blossoms borne in large trusses. Grows 4 to 5 feet high.

**MARTHA WASHINGTON**—A deep bright pink; large perfect bloom. Height, 3 feet. **20c each.**

**MRS. KATE GRAY**—Immense flowers 5 to 6 inches in diameter. Color rich orange scarlet, finely streaked and flaked with golden yellow tints. A most superb variety, new and distinct. Height, 6 to 7 feet, with massive foliage. **25c each.**

**ALSACE**—The nearest approach to a white Canna ever introduced. Color, pale sulphur, changing to creamy white. Height, 4½ feet.

**BLACK BEAUTY**—A most beautiful foliage kind. It is a strong grower and the leaves are a deep, bronzy wine red, almost black. Height, 5 to 6 feet. **20c each.**

**PRES CLEVELAND** — Orange scarlet, very showy.

**Collection of 12 named sorts for $1.50.**

**MIXED CANNAS**—Good strong tubers of large flowering sorts. **10c each, $1.00 per doz., postpaid, $6.00 per 100 by express.**

## CARNATIONS.

Our list of these beautiful plants will be found up to date, none but choice varieties of recent introduction being offered.

**Unless otherwise noted, 15c each, $1.50 per doz. We can supply strong, field grown plants in September at 30c each postpaid, or $2.50 per doz. by express**

**ARMAZINDY**—Pure white, lightly penciled scarlet.

**G. H. CRANE**—A rich, clear, brilliant crimson, finely fringed and highly perfumed.

**ENCHANTRESS**—This charming variety, offered for the first time this season, so far surpasses other existing sorts that its wide dissemination and popularity are assured beforehand. Cut blooms the past season readily sold at double the price of other choice varieties. It is the largest bloom we have ever seen, measuring 4 to 5 inches indiameter, the stems being 24 to 36 inches in length. The flower is delicately perfumed and the calyx never bursts, while its keeping qualities are remarkable. The color is a soft pink, not unlike the old Daybreak. We are pleased to recommend this variety to flower lovers, knowing that it will not fail to please. **25c each.**

**FLORA HILL**—Pure white blooms of large size, rather flat.

**GENERAL MACEO**—Deep brilliant scarlet overlaid with maroon.

**MORNING GLORY**—A delicate, bright flesh pink. An improved Daybreak.

**GOV. WOLCOTT**—Another meritorious variety of this year's introduction. A very large bloom of purest white, borne on strong, stiff stems. A valuable addition.

**MRS. LAWSON**—The largest flowering dark pink variety. Color a deep rich cerise pink. Blossoms early and late and thrives everywhere.

**MRS. BRADT**—Very large blooms, clear white, heavily splashed and streaked with red.

**WHITE CLOUD**—Extra large blooms of superb form and texture. Pure white, fragrant and lasting.

**PROSPERITY**—A pure white ground overlaid with shadings of soft pink, reminding one of the beautiful tints often seen in Azaleas. **20c each.**

**NORWAY**—White, sometimes slightly streaked pink. Blooms 2½ to 3 inches in diameter, of good form and long-keeping qualities.

**Collection of 12 Named Sorts for $1.50.**

## CALLAS.

**LITTLE GEM**—A dwarf growing variety, similar to the old common white sort, except in size. **15c each.**

**SPOTTED LEAF**—Dark green leaves, beautifully spotted with white. The flowers are white with a purple throat. **25c each**

**BLACK CALLA**—A remarkable variety producing velvety black blooms, with coal black spathe. **30c each**

**WHITE CALLA**—The old, well-known variety. **20c each.**

**The above set of 4 Callas for 75c postpaid.**

## CARYOPTERIS MASTACANTHUS.

**Blue Spirea.**

A beautiful, vigorous, healthy grower, producing charming flowers of a bluish lavender color. **15c each.**

## CHINESE LANTERN PLANT.

A decided novelty in the plant line. The plant produces numerous large inflated husks, much the shape of Chinese lanterns, at first a beautiful green color, changing to a yellowish hue and then to brightest scarlet, and as they hang suspended among the green foliage they present a most beautiful appearance. **15c each.**

CANNA, GLORIOSA.

SPOTTED CALLA.

BLACK CALLA.

ENCHANTRESS.

CLERODENDRON.

CHINESE LANTERN PLANT.

## CUPHEA EMINENS.

**Cigar Plant.**

A charming plant which grows rapidly to a height of 15 or 18 inches, bearing a mass of scarlet flowers tipped with gold and green. **15c each.**

## CHRYSANTHEMUMS.

**Prices, unless otherwise noted, 10c each, $1.00 per doz. Special quotations made on large lots to parties desirous of growing them for flower shows.** Small plants cannot be supplied after August 1st. We can supply large plants of the leading sorts for fall blooming after September 1st at **50c to $1 00 each by express.**

We grow over 60 good varieties, but list herewith two dozen of the very best sorts for amateur cultivation. We can supply many other choice sorts, and will be pleased to furnish a list of varieties on application.

### SIX BEST EARLY FLOWERING SORTS.

These varieties are all very early flowering that should perfect their blossoms in the open ground, even in the northern states. They are the cream of the early, and are selected from a list of nearly one hundred varieties

**MRS F BERGMAN**—Very early; large creamy white. A delightful sort.

**LADY FITZWYGRAM**—The earliest white variety in cultivation. Blooms of good size, creamy white.

**MRS. J. G. WHILDIN**—One of the earliest and best yellows in cultivation.

**YELLOW QUEEN**—Pure golden yellow. Very early and distinct.

**MRS. HENRY ROBINSON**—An extra large, pure white variety, forming a perfect ball of snow when fully developed.

**ADELE**—A pleasing shade of light pink Blooms of large size, full and of great lasting qualities.

### SIX GRAND MID SEASON SORTS.

**COL. D. APPLETON**—A very large, bright, deep yellow incurved bloom, of finest form and great substance.

**TIMOTHY EATON**—This is the largest globular incurved white sort ever introduced. Individual blooms often measure 8 inches in diameter.

**LAVENDER QUEEN**—A soft, pleasing shade of lavender pink, under artificial light resembling a light colored orchid.

**MAJOR BONAFFON**—This grand old variety we still consider the very best for amateur cultivation The plant is strong and vigorous, the foliage the prettiest we have ever seen in any variety. The blossoms are of the largest size, ball shaped, incurved, a soft pure yellow Its keeping qualities are the best of any known Chrysanthemum. For pot culture in the north, for outside growing in the middle states, and for greenhouse cultivation everywhere it is the peer of all varieties.

**MAUD DEAN**—An extra large flowering variety with broad incurved petals. Color, pink, almost rose.

**GOLDEN WEDDING**—A large flowering yellow variety of great beauty. Stems very strong, blooms globular, full and bold.

### SIX ELEGANT LATE SORTS.

**INTENSITY**—A new crimson variety of great merit. Flowers are of the largest size, reflexed form, showing only the bright crimson upper surface of the petals.

**GOLDEN BEAUTY**—A late golden yellow, ready at Thanksgiving and later. Fine large blooms of great depth.

**W. H. RAYMOND**—A popular late variety. Blooms very large, pure yellow, of good form and substance.

**YANOMA**—Very late, pure white, reflexed petals. The best late white.

**W. H. CHADWICK**—A valuable late white of largest size. Flowers pure white, sometimes slightly tinged with pink.

**MARIAN NEWELL**—Flowers of extra size, measuring 9 inches in diameter. Reflexed variety with large wide petals. Color a true pink.

### 6 CHOICE POMPON SORTS.

**VIOLA**—Pure Pink.

**ANGELIQUE**—Snowy white.

**ATLAS**—Bright yellow.

**MIZPAH**—Clear bright pink.

**GARISA**—Fine white.

**ATILA**—Choice yellow.

## DAHLIAS.

There is no more beautiful class of flowers than these. They are of easy culture, give an abundance of bloom at small expense and increase in numbers very rapidly from year to year. The tubers should be taken up each fall and stored in a dry cellar until spring, when they may be divided and replanted.

**Price, unless otherwise noted, 15c each, or $1.50 per doz.**

**A. D. LIVONI**—Rich pink, finely formed. A very handsome and desirable variety.

**ALEWINE**—Delicate pink, tipped purple.

**ALICE EMILY**—Buff yellow, perfect form.

**ARABELLA**—Pale lemon, shading to primrose at the tips. A large bloom of perfect form.

**ARRAN DE POGUE**—Maroon, tipped white.

**CAPSTAN**—Soft brick red, shaded apricot. Remarkable for its free and early flowering.

**DR. J. P KIRTLAND**—Very large bloom; dark velvety crimson.

**ERNEST GLASSE**—Rich purplish magenta.

**EARL OF PEMBROKE**—Bright plum color, deeper and more velvety towards the centre. Petals long, pointed and regularly arranged.

**GRAND DUKE ALEXIS**—Very large bloom; white, tinted lilac.

**HIMILISCHE**—Light purple lavender.

**JOHN ROACH**—Pure yellow. Cactus variety.

**LITTLE JENNY**—Pompon. Beautiful, rich crimson maroon.

**MARY D. HALLECK**—Canary yellow, of medium size.

**MISS RUTH**—Pale pink, shading to white. Often sports a deep cardinal.

**MRS. BARNES**—Cactus. A beautiful primrose color. Blossom well formed and a free bloomer.

**MRS. BENNETT**—Soft crimson. Large, well built flower. Cactus sort.

**PERLE DE LA TETE DE OR**—Pure white with an occasional lavender tint. Very large and fine.

**PLUTON**—Pure yellow; choice.

**PRINCE OF ORANGE**—Cactus. In color a blending of apricot, orange and bronze. Free bloomer.

**SUNBEAM**—A new crimson pompon.

**SNOW CLAD**—A fine white pompon.

**VIRGINALE**—White pompon.

**WHITE SWAN**—A well formed, pearly white sort.

**W E GRATSCHEFF**—Buff, suffused with red, spotted and striped crimson.

**ZOAR**—Pompon. Yellow, edged salmon and pink.

**MIXED VARIETIES**—In harvesting our tubers many of them become mixed. These we offer in mixed lots. They will be choice varieties, but we do not know their colors. **10c each, $1.00 per doz.**

CHRYSANTHEMUM, MAJOR BONAFFON.

RUBBER PLANT.

SHOW DAHLIAS.

JAPANESE FERN BALL

JAPANESE CEDAR.

HIBISCUS, PEACHBLOW.

JEAN VIAUD, GERANIUM.

GLADIOLI, ROYAL MIXED, SEE PAGE 70.

## JAPANESE FERN BALL.

(See cut opp. page.) These interesting plants are grown suspended in the air, and with proper treatment will live for many years, alternately growing and resting. When growing, they should be watered regularly several times each week. When resting, water should be withheld entirely.

**1st size dormant balls, 60c each postpaid.**
**2d size dormant balls, $1.00 each postpaid.**
**Growing balls $1.00 and $1.25 each by express.**

## FICUS ELASTICA.

**Rubber Plant.**

(See cut opp. page.) A very graceful, ornamental plant with broad, glossy leaves of deepest green. **Strong plants, by express, 75c to $2.00 each.**

## HIBISCUS, PEACHBLOW.

The flowers are large, perfectly double, of a rich shade of clear pink with a small deep crimson centre. A continuous bloomer. It is a rapid, vigorous grower, commencing to bloom when quite small and producing finely formed blossoms 4 to 5 inches in diameter continuously throughout the year. **25c each.**

## FUCHSIAS.

They thrive best in a mixture of leaf mold and sand; should be kept in a shady, moist situation, and require plenty of water, especially when in blossom. **10c each, unless otherwise noted.**

**CARL HOLT**—A beautiful single variety striped red and white.
**HELENE**—(Tree Fuchsia.)—Large, semi-double, orange scarlet blossoms; plant grows in tree form. **15c each.**
**LORD BYRON**—Large, single purple blossoms. A most prolific bloomer.
**MRS. E. G. HILL**—Large double blossoms; corolla pure white, sepals dark red.
**MRS. MARSHALL**—Semi-double; corolla carmine, sepals white.
**PRINCE NAPOLEON**—Very large, double purple blossoms.
**TRAILING QUEEN**—A choice variety of trailing or drooping habit. A novel and distinct sort.

## GERANIUMS.

After careful trial and selection extending over a period of thirty years we have chosen the following sorts as best adapted to general cultivation. **Price, unless otherwise noted, 10c each, $1.00 per doz., postpaid; $6.00 per 100 by express.**

**MARS**—It is of dwarf, compact growth, the dwarfest variety introduced to date, forming strong, stocky plants with great drouth resisting qualities, and is the most prolific bloomer ever seen. The foliage is dark green with bronze zones. The flowers are single, deep rose salmon, becoming deeper at the centre and shading to almost pure white at the outer edge of the petal. **15c each, $1.50 per doz.**
**JEAN VIAUD**—Soft, pure pink, semi-double with two white blotches. Dwarf, stocky grower, rigid stems, large trusses, perfect florets, a continuous bloomer, the plant being covered with flowers throughout the season. It has an iron constitution; withstands rain and sun better than any known geranium. **15c each.**

PRINCE NAPOLEON, FUSCHIA.

### MAY'S PREMIER COLLECTION.

**These six choice plants for 75c.** This contains six of the very best varieties in cultivation which are selected by us on account of the size and brilliancy of blossom, their sturdy, vigorous growth and their profusion of bloom throughout the season.

**ALPHONSE RICARD**—This is a handsome variety, producing in greatest profusion immense trusses of semi-double, orange red blossoms of perfect form. **15c each.**
**AMERICA**—It is a seedling from Mars, of stronger growth and larger foliage than the parent. On opening, the flowers are white with salmon centre, changing to various shades of salmon and rose, finally, when fully open, to deep pure rose. **20c each, $2.00 per doz.**
**MAD. JAULIN**—The plant is of dwarf, robust habit. Flowers of largest size and very abundant; the centre a delicate pink, outside a pure white. **20c each.**
**DRYDEN**—Flowers single, bright rosy red, with large white blotches on two upper petals and smaller blotches on the three lower ones. **25c each.**
**LA FAVORITE**—An old, well known variety. The flowers are perfectly double, pure white, and produced in great profusion throughout the season. **10c each.**
**J. J. HARRISON**—The most brilliant scarlet grown. The trusses and florets are of immense size. **15c each.**

### OTHER DESIRABLE SORTS.

**BEAUTY POITEVINE**—Rosy salmon.
**JOHN DOYLE**—Bright vermillion; semi-double.
**LA INCONTABLE**—Double rose color.
**MRS E. G. HILL**—Single salmon.
**MRS J. M GARR**—Single white.
**MRS BEADSLEY**—Single salmon pink.
**MAD. POIRIER**—Violet carmine.
**MAD. ROZAIN**—Double white.
**PREDICTION**—Double cerise pink.
**QUEEN OF THE WEST**—Single scarlet.
**S. A. NUTT**--Dark crimson.

### IVY LEAF VARIETIES.

These are very desirable for baskets, or any place where a climbing plant is desirable. **15c each.**
**BEAUTY OF CASTLE HILL.**—Large flowers of a soft rose color with dark blotch on upper petals.
**GARDEN GLORY**—Individual blooms of largest size, a very pleasing pink color.
**JEANNE DE ARC**—Flowers very large pure white.
**LE ELEGANTE**—Foliage light green, margined white. Blossoms pure white. Very choice.
**SOUV. CHAS. TURNER**—Flowers double, bright pink, upper petals feathered maroon.

### SILVER LEAF VARIETIES.

Valuable for borders or pot plants. **10c each, $1.00 per doz. or $6.00 per 100 by express.**
**MOUNTAIN OF SNOW**—Large leaves, edged silver.
**MAD. SALLEROI**—Small leaves, tinted white.
**ROSE GERANIUM**—Sweet scented variety. **10c each**

### JAPANESE CEDAR.

(See cut opp. page.) This is one of the most beautiful ornamental plants of recent introduction. It is of most easy culture and rapid growth, and succeeds in almost any situation. It is a tender evergreen, attaining a height of several feet in a few years. **25c each.**

MARS GERANIUM.

# IF YOU WANT THE BEST, BUY MAY'S PLANTS.

Malabar Vine.

Linum Trigynum.

## DRACENA INDIVISA.

A beautiful decorative plant with long, slender, graceful drooping leaves. Adapted to pot culture and fine for centres of vases, rustic boxes, etc., on the lawn.
**Small plants 25c each by mail**
**Strong plants 15 to 18 inches tall, $1.00 each by express.**

## FABRIANA IMBRICATA.

A small pot plant with cedar-like foliage, which, in the spring, produces an abundance of charming, pure white, tubular blossoms. **15c each.**

## FERNS.

**ASSORTED VARIETIES** for jardinieres and ferneries. **Strong, thrifty plants, 20c each by mail, or $1 50 per dozen by express.**
**MAIDEN HAIR**—Our stock of these is very complete; the finest and best we have ever grown.
**1st size, 25c each, postpaid.**
**2d size, 75c each by express.**
**3d size, $1.50 each by express.**
**Extra fine specimens $5.00 each.**
**BOSTON**—Its long, graceful, drooping fronds often attain a length of 5 or 6 feet in a single year, while its foliage is always clean and healthy and not subject to the attacks of scale, mealy bugs and other insects.
**1st size, 25c each by mail.**
**2d size, 75c each by express.**
**Large size, $1.50 each by express**
**Extra Fine, $2 50 each by express.**
**Mammoth, $5.00 and $10 00 each by express.**
**PIERSONI FERN**—For illustration and description see list of specialties.

## HONEYSUCKLE, FUCHSIA FLOWERED.

This is a very vigorous grower with long trailing branches which are literally covered with beautiful red blossoms. The flowers are long, trumpet shaped, and borne in large clusters, drooping like the Fuchsia **15c each.**

## HYDRANGEA. Hortensia

The well known and favorite old variety, producing immense clusters of pink blooms which remain on the plant a long time before falling. **25c each.**

## IVY ENGLISH.

The old time favorite; valuable for baskets, vases, and for cemetery work. **10c each.**

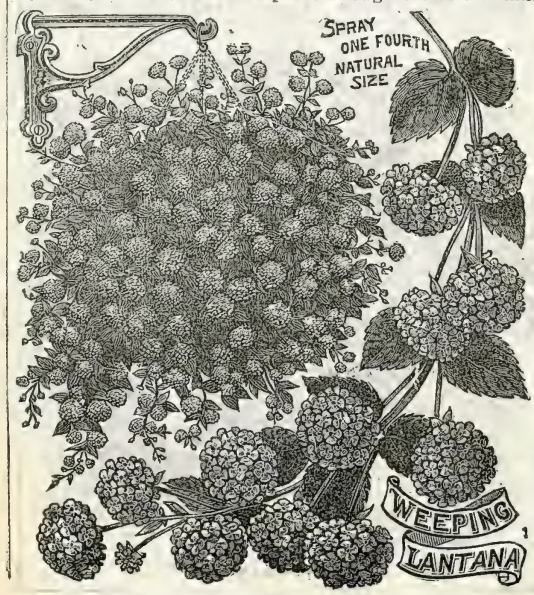
## JUSTICIAS.

**Plume Plants.**

A beautiful class of plants of very easy culture and rapid growth. They commence to flower when quite young, throwing up large, plume-like blossoms which last a long time. **20c each; 3 for 50c.**
**CARNEA**—A very beautiful red.
**FLAVA**—Yellow. New and desirable.
**VELUTINA**—A beautiful pink variety.

## GLADIOLUS.

**ROYAL MIXED**—(See cut page 69.)—In this mixture we have placed many of the best named varieties. By carefully growing for a series of years, and rejecting the poorer kinds each season, we have produced a strain which, for size of bloom and brilliancy of coloring, is unsurpassed. **10c each, $1.00 per doz.**
**IMPERIAL MIXED**—This consists of a collection of choice flowering varieties selected from the best old named sorts. **5c each, 50c per doz.**
**COMMON MIXED**—Choice, large bulbs, remarkable for their free blooming qualities and size of bloom. **25c per dozen, postpaid; $1.50 per 100 by express.**
**CHOICE NAMED VARIETIES—10c each, except where noted. The entire collection for $1.25.**
**SHAKESPEARE**—White with large rosy blotch.
**ADDISON**—Dark amaranth, striped white.
**GEN. SHERMAN**—Large fine scarlet.
**LORD BYRON**—Brilliant scarlet, blotched pure white.
**MR. BAINS**—Clear light red.
**OCTOROON**—Beautiful salmon pink. **15c each.**
**PROSERPINE**—Rosy white.
**REINE VICTORIA**—Pure white, carmine violet blotch.
**SNOW WHITE**—Large blooms, enormous spikes. **25c each.**
**THE QUEEN**—White, tinged with blush and carmine. **20c each.**
**VAN SPANDONK**—Fiery red.
**ZAMPA**—Tender rose, mottled carmine.




## GREVILLEA ROBUSTA.

**Silk Oak.**

A magnificent plant for decorative purposes, growing very rapidly. The foliage is finely cut, rivaling many of the rare ferns in beauty. **15c each.**

## HELIOTROPE.

**10c each, $1.00 per doz. postpaid, $6.00 per 100 by express.**
**CHIEFTAIN**—Lilac colored, large truss.
**FLEUR D. ETE**—Pure white.

## HIBISCUS.

Strong growing tropical plants with handsome, glossy foliage and large, brilliant showy flowers. **15c each unless otherwise noted.**
**COLLERI**—Lemon yellow, base of petals crimson scarlet.
**COOPERI**—Foliage beautifully variegated with dark green, pink and white. Flowers large, single crimson.
**GEN GRANT**—A giant flowering double red variety, the largest and most perfect one of this class. **25c each.**

## LEMON VERBENA.

A beautiful plant with verbena-like foliage which is delightfully fragrant. **15c each.**

## MANETTIA VINE.

Our illustration is a good representation of this grand plant, though no picture can do justice to its entrancing beauty. The tubular blossoms are from 1 to 2 inches long, of a bright orange scarlet color tipped with golden. **15c each.**

## LANTANAS.

These afford an abundance of bloom continuously throughout the entire summer. **10c each, $1.00 per doz.**
**HENDERSONI**—Beautiful orange, changing to bright crimson.
**LA NEIGE**—Pure white with faint shades of yellow.
**MRS McKINLEY, The Weeping Lantana**—The plant is of rapid growth and graceful drooping habit, with lovely, dark green foliage, producing a cluster of flowers at each leaf. The flowers are a most delicate, clear, brilliant, rosy lilac color, entirely distinct from any other flower we have ever seen. To produce quick results a half dozen or more plants should be planted in a tub, although a very pretty basket can be grown from a single plant. It is valuable for mixing with other plants in vases. **15c each.**

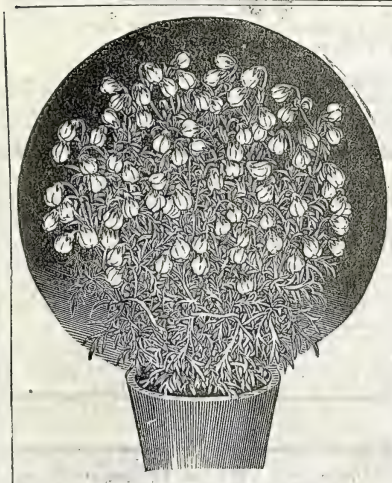
## LINUM TRIGYNUM.

**Yellow Flax.**

These are beautiful plants of easy culture which produce a great abundance of flowers continuously throughout the season. The blossoms are single, large, round, of a deep orange color, quite unlike that of any other flower. **15c each.**

## MALABAR VINE.

A very interesting climbing or trailing plant. The leaves are light creamy white, striped and marked with gray and green. It grows rapidly and forms a very pretty plant in a short time. The flowers are a very delicate shade of pink. **20c each.**



MAHERNIA ODORATA.

POMEGRANATE.

SANDIFORD'S SURPRISE.

## LOBELIA.

Handsome little plants, suitable for boxes, baskets, vases, or for bordering beds on the lawn. The color is a very rich blue. **10c each, 75c per doz, $4.00 per 100 by express.**

## MAHERNIA ODORATA.

**Golden Honey Bell.**

One of the most beautiful free flowering house plants that can be grown. They begin to bloom very early in the spring, and the bright, showy, yellow, bell-shaped flowers are borne in wonderful profusion for a number of months. The fragrance of the flowers is very delicate, and a well grown plant will fill a room with its delightful perfume. **15c each**

## MEYENIA ERECTA.

Flowers similar in shape and color to a Gloxinia. A free and rapid grower which produces very profusely. **20c each**

## MEXICAN PRIMROSE.

A most charming little plant, giving a continuous supply of large, single, delicate pink flowers. **10c each.**

## OLEANDERS.

**The set of 3 for 75c.**

**PRINCE ALBERT**—Mammoth white flowers, perfectly double. **30c each.**
**LA ROSARIE**—Lovely double pink blossoms. **30c each.**
**GOLDEN WEST**—Double flowers of a golden shade. **30c each.**

## PALMS.

We list here a few of the best known varieties in small sizes. We carry a large stock of all the popular sorts in larger size plants, and will be pleased to mail **our special palm price list** on application to all who desire larger plants.

**With all orders for Palms we send our circular on Palm culture. We mail it to any one free on application.**

**KENTIA BELMOREANA**—After many years experience in growing and selling palms we consider this **the best variety** for amateur cultivation in the house. As will be seen by the illustration, it is a strong, erect grower, throwing out from 7 to 9 graceful, arching leaves, of a deep green color. It is a rapid grower, withstands the changing temperatures of the living room better than most varieties, and is easily cared for. **30c each. Large plants by express, $1.00 to $10.00 each.**

**OTHER GOOD VARIETIES.**

**ARECA LUTESCENS**—**30c each. Larger plants by express, 75c to $5.00 each.**
**COCOS**—Valuable for centres of fern dishes. **30c each by mail; 75c to $3.00 each by express.**
**LATANIA**—(Fan Palm.)—**25c each, postpaid; $1.50 to $10.00 each by express.**
**OREDOXIA REGIA**—(Royal Palm.)—**30c each, postpaid.**
**PHOENIX RECLINATA**—**30c each.**
**SEAFORTHIA**—**25c each.**
**UMBRELLA PALM**—Very hardy. It thrives in almost any location, is very hardy and is adapted to a number of places where other palms are not suited. **Nice growing plants, 15c each postpaid; larger plants, 25c, 50c and 75c each, by express.**

## PANSIES.

We can ship choice plants in bud and bloom at any time. **10c each, 50c per doz., postpaid; $3.00 per 100 by express.**

## PASSIFLORA.

This is the prettiest and most easily cultivated of all the rapid growing climbing vines. **15c each.**

**CONSTANCE ELLIOTT**—Blossoms pure white except a slight coloring at the base of the corolla.

## PELARGONIUMS.

No class of plants for house culture produces more gorgeous and showy flowers, is of more easy culture, or gives better satisfaction than the Lady Washingtons, as they are generally known.

**SANDIFORD'S SURPRISE**—A charming flower of splendid habit. Big black blotches in upper petals, edged fiery red, surrounded with a broad band of white; lower petals white, with bright red spot in centre of each. **30c each.**
**MRS. SANDIFORD**—A splendid semi-double white flower, some flowers showing a small rich maroon spot in upper petals, heavily fringed. **30c each.**
**SANDIFORD'S BEST**—A new and distinct flower of a beautiful shade of pink, surrounded with a deep band of the purest white, with large white throat. **30c each.**

**The set of 3 for 75c.**

**GENERAL LIST OF DESIRABLE SORTS.**

**20c each, or the 7 for $1.25.**

**PRIDE OF ELLAND**—Light rose, marked and blotched with deep red and maroon.
**CHAMPION**—White, delicately shaded blush.
**COUNTESS**—Salmon, with pure white centre.
**DOROTHY**—A soft shade of carmine rose.
**EDWARD PERKINS**—Bright orange scarlet.
**MAD. THIBAUT**—White, marbled with rose.
**MARIE MALLET**—Silvery white, carmine spot on lower petals.

## PETUNIAS, Double Varieties.

**15c each, or set of 4 for 50c.**

The plants which we offer produce blooms of the largest size, double, and of the most beautiful and striking colors. They make excellent pot plants and are equally valuable for beds, boxes, etc.

**BLANCHE DYSINGER**—After years of careful selection and propagation we are able to offer a white petunia of immense size, a very vigorous and healthy grower and a most profuse bloomer. The blossoms, the largest we have ever seen, are a pure white, delicately fringed, fragrant, and when cut and placed in water will remain fresh for ten days or two weeks.
**ADONIS**—A delicate shade of pink.
**EUREKA**—An elegant red variety.
**FRITZ**—Deep purple, marked and penciled with cream and pink.

## POMEGRANATE.

**The Gem.**

A beautiful plant for bedding or pot culture. The blossoms are a beautiful orange scarlet color and freely produced. **15c each.**

KENTIA BELMOREANA.

PETUNIA, BLANCHE DYSINGER

# IF YOU WANT THE BEST, BUY MAY'S PLANTS.

JERUSALEM CHERRY.

## PORTO RICAN COLEUS.

The leaves are beautifully variegated with a deep metallic purple, shaded with a bright rose and margined with light green. **15c each, $1.50 per doz.**

## CHINESE PRIMROSES.

Our stock has been grown from the choicest strain of seed to be obtained. **Strong plants, 15c each, $1.50 per dozen by express.**

## PRIMULA FORBESI, OR BABY PRIMROSE.

A new and distinct variety and one of the most prolific bloomers we have ever grown. The flowers are of medium size, pinkish white, borne on long stems and remain fresh a long time after being cut and placed in water. **20c each, 3 for 50c.**

## PRIMULA OBCONICA GRANDIFLORA.

A strong, compact grower, with beautiful green leaves and tall graceful stems, bearing large fringed flowers of a delicate pink tinge. **25c each, 3 for 60c.**

## RUSSELIA JUNCEA.

It produces numerous long, wiry stems which are leafless. The flowers are borne on these stems, being about the size and shape of Manettia blossoms. **15c each.**

## SERISSA.

It has bright, glossy green foliage, and produces a profusion of lovely double white blossoms. **15c each.**

## SOLANUMS.

**JASMINOIDES GRANDIFLORUM** — A beautiful plant with star shaped flowers borne in clusters of purest white, with a violet tinge on back of petals. **15c each.**

**CAPSICASTRUM—Jerusalem Cherry.** A dwarf branching plant which produces an abundance of small scarlet berries during the fall and winter. Very handsome and decorative. **15c each.**

## SUTHERLANDI.

One of the brightest and showiest plants in our entire collection. It is of dwarf, compact habit, with bright green foliage, delicately cut. The flowers, which are borne in great profusion, are the shape of a sweet pea, borne on long stems, color brilliant scarlet. **15c each.**

## SWAINSONIA ALBA.

A most desirable, ever blooming plant with graceful, fern-like foliage. The flowers, which resemble a miniature sweet pea, are produced in clusters throughout the year. Color, purest white. **15c each.**

## SWAINSONIA ELEGANS,

The flowers are of the most beautiful shade of rose, and as freely produced as the above variety. **15c each.**

## THUNBERGIA FRAGRANS.

A magnificent variety of slender, graceful, climbing habit, with deep green waxy leaves, of a very distinct appearance. Its flowers are as large as silver dollars, of pure waxy whiteness, with a delicate lemon yellow spot in the centre or throat. **20c each.**

## TECOMA SMITHI.

A dwarf, bushy trumpet creeper, with flowers over 2 inches in length, of a rich lemon color shading to dark orange yellow. **15c each.**

## TUBEROSES.

**DOUBLE DWARF PEARL**—Extra large. **5c each, 50c per doz.**

**SILVER LEAF**—Foliage distinctly striped white and green. **10c each, 75c per doz.**

## VIOLETS.

**MARIE LOUISE**—A very fragrant double blue variety. **15c each.**

**PRINCE OF WALES**—A single flowering sort with large blue blossoms. **15c each.**

## SMILAX.

A beautiful climber of rapid growth and easy culture. **15c each.**

## VERBENAS.

Grown from cuttings from the giant flowering varieties. **10c each, $1.00 per doz.**

## VINCAS.

Trailing vines for window boxes, vases and baskets. The leaves are of a thick, leathery substance, which stand a great amount of rough usage without injury. Green and variegated leaved. **20c each.**

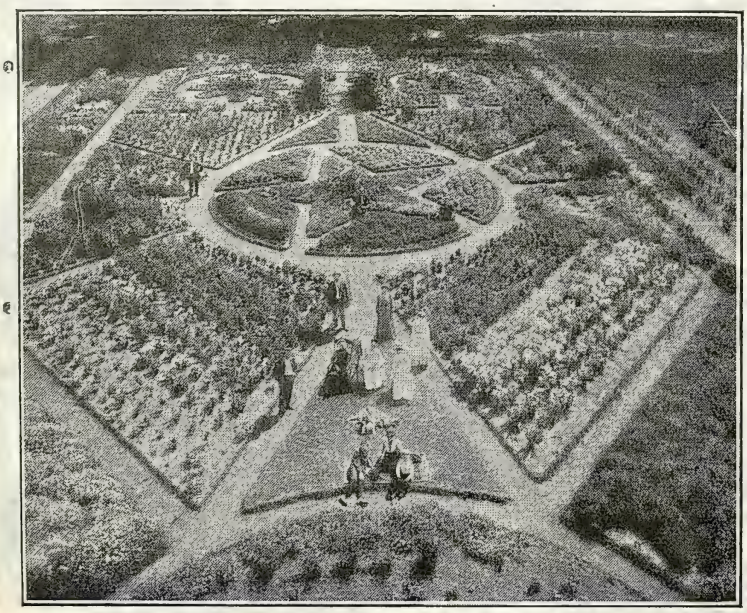
## BEDDING PLANTS.

Many of our customers desire large plants in bud or bloom, for immediate effect in May or June. We can supply nearly all varieties named in our list in large plants, and will cheerfully quote prices on them on application. For those who do not have the time to write we quote the following list of well established sorts for outside planting. All blooming varieties will be in bud or blossom when we ship, and will be sent by express at purchaser's expense.

It must be distinctly understood, however, that we will ship our selection of varieties, although we will conform to customer's wishes as far as possible in making the selection.

Prices quoted are for plants to go by express purchaser's expense. Our selection of varieties. **6 at dozen rates, 50 at 100 rates.**

**AGERATUM**—Blue. **Per doz. $1.00, per 100 $6.00.**
**ALYSSUM**—White. **Per doz. 75c, per 100 $4.00.**
**ALTERNANTHERAS**—Red and yellow. **per doz. 75c, per 100 $4.00.**
**ASTERS**—Strong transplants. **Per doz. 50c, per 100 $4.00.**
**ASTERS, SEEDLINGS**—**Per doz. 25c, per 100 $2.00.**
**ACALYPHA TRIUMPHANS**—**Per doz. $1.50, per 100 $10.00.**
**ACHYRANTHUS**—**Per doz. 75c, per 100 $5.00.**
**BEGONIA VERNON**—**Per doz. $1.00, per 100 $6.00.**
**CALADIUM ESCULENTUM**—**Per doz. $2.00, per 100 $12.00.**
**COLEUS**—**Per doz. 75c, per 100 $5.00.**
**CINERARIA MARITIMA**—Dusty Miller. **Per doz. 75c, per 100 $5.00.**
**CANNAS**—Our selection, 12-15 inches high. **Per doz. $2.00, per 100 $15.00.**
**CARNATIONS**—**Per doz. $1.00, per 100 $6.00.**
**GERANIUMS**—Our selection from 3½ inch pots. **Per doz. $1.50, per 100 $12.00; from 4 inch pots, per doz. $2.00, per 100 $15.00.**
**HELIOTROPE**—**Per doz. $1.00, per 100 $6.00.**
**LANTANAS**—**Per doz. $1.00, per 100 $6.00.**
**PETUNIAS, SINGLE**—**Per doz. $1.00, per 100 $6.00.**
**PETUNIAS, DOUBLE**—**Per doz. $1.50, per 100 $10.00.**
**VERBENAS**—**Per doz. $1.00, per 100 $6.00.**
**VINCA VINES**—Green or variegated. **Per doz. $2.50.**
**LOBELIAS**—**Per doz. 50c, per 100 $3.00.**
**PANSIES**—**Per doz. 40c, per 100 $3.00.**
**ROSES**—From 4 inch pots. **Per doz. $2.50, per 100 $20.00.**
**ROSES**—From 2 inch pots. **Per doz. $1.00, per 100 $6.00.**



BEDDING PLANTS AT TRIAL GROUNDS.

CALISTOGA, Napa Co., Calif.
June 11th, 1903.

L. L. May & Co.,
St. Paul, Minn.,

Gentlemen:

The Swansonia seeds I sent to you for May 27th came to hand a few days ago, with two extra packets of flower seeds, gratis. Accept my thanks for the same. The Swansonia Elegans plant I sent for at the same time arrived today in perfect condition. I have been buying flowering plants of Eastern seedsmen for a great many years, but never received one with a nice ball of dirt on it as the plant had you sent me. Then there was no lack of damp moss, and the plant was beautiful and green. It was a feast to my old eyes. If it does not grow it will not be your fault surely.

Send me your seed catalogue for 1904 as soon as issued.

Yours truly,

IRA W. ADAMS.

SWAINSONIA.

# TENDER ROSES.

For many years (ever since we began business) we have made the growing of roses a specialty; studying their habits and characteristics, testing all the new varieties as they appeared from year to year, and importing the latest novelties from the best European growers. Many sorts, after thorough trial, have been discarded as worthless; others have been retained and improved upon; still others have worn out and deteriorated until they were practically useless. By this constant "weeding out process" we have kept our list **up to date** and are enabled to supply our customers the very best that money, time and experience can produce. While our list may not be as large as many, we know it contains only the **best** varieties, those which can be recommended to our customers as being of easy culture, rapid growth and prolific bloomers.

**OUR GROWING METHODS**—Differ radically from those of many of the so-called rose growers. We never force our young plants. They are grown in a cool situation, thoroughly well rooted in sand, then potted up and kept growing slowly. This gives them an abundance of fibrous roots and a strong, healthy constitution. Plants grown in this manner will ship a long distance in perfect condition and commence growing vigorously the moment they are transplanted.

**CULTURE**—Roses require a rich soil made up of rotted sod, loam and well-rotted cow manure. Cut the plants back closely after flowering. As the blooms are produced on the new growth, the development of new branches is most essential. Feed the plants on well-rotted cow manure, bone meal or a liquid fertilizer, thus inducing a vigorous growth, and prune freely and you will be amply repaid for the time and attention bestowed.

The indoor enemies to rose plants are Aphis, Red Spider and Mildew. Thorough syringing with tobacco water will destroy the Aphis, constant syringing with clear water will keep down Red Spider, and powdered sulphur sprinkled on the foliage will help to prevent and destroy Mildew. Keep plants out of cold draughts of air and you will in a great measure prevent Mildew.

**ALL ROSES LISTED ON PAGES 73 AND 74 ARE YOUNG GREENHOUSE PLANTS AND WILL BE SHIPPED IN A GROWING CONDITION They are tender and will not live outside during the winter in the North, though many of them are semi-hardy in the Middle States. Of these varieties we cannot supply large plants. We can supply small growing plants of the Hardy Perpetual and Climbing varieties as listed on pages 75, 76 and 77.**

**IMPORTANT—Owing to our knowledge of varieties we can in many cases make better selections than our customers themselves. Where the selection is left to us we will send varieties we consider the best for the locality where they are to be planted.**

## EVERBLOOMING TEA ROSES.

These are especially nice for planting in beds on the lawn, producing an abundance of bloom the entire season. They are also equally good as pot plants for winter culture in the house. **10c each, $1.00 per dozen, except where noted.**

**BEAUTY INCONSTANT**—This is one of the most remarkable plants ever introduced in the floral world. A single plant produces a great variety of colors, ranging from crimson to light pink, through the various shades of red, orange, yellow, rose, pale pink and salmon, giving the appearance of a number of varieties blooming at the same time. **20c each.**

**MARIE GUILLOT**—This grand rose possesses so many good qualities that we accord it first place among the white sorts. The color is pure snow white, sometimes faintly tinged pale yellow. The flowers are of magnificent form, extra large, full and double, and deliciously perfumed. **15c each.**

**GOLDEN GATE**—This is a free, everblooming tea of great vigor of growth, clean and healthy habit and is one of the finest bedders we have ever seen. The stems are long and stiff, the blossoms extra large and full, and one of the best keepers we have ever grown. The color is creamy white, sometimes delicately tinged pink on the ends of the petals. **15c each.**

**IVORY**—This is a grand variety of recent introduction, almost identical with Golden Gate, of which it is a sport, except it is a pure white without any tinge of coloring. **25c each.**

**BON SILENE**—Deep rose, shaded carmine.

**BRIDE**—Large, creamy white, changing to pure white.

**BRIDESMAID**—Large, full, fragrant blossoms of a pure bright pink.

**COQUETTE DES LYONS**—Clear canary yellow.

**DR. RAYMONT**—Very fine, dark double red.

**DUCHESS DE BRABANT**—Rosy pink edged silver.

**ETOILE DE LYON**—A rich golden yellow.

**ETOILE D'OR**—Pale yellow with citron red centre.

**ETHEL BROWNLOW**—Small fragrant blooms of a light pink color.

**HERMOSA**—Clear bright pink, of medium size.

**LADY DOROTHEA**—Apricot, shaded pink.

**MARION DINGEE**—Deep crimson.

**MAD CUSIN**—Bright purplish crimson, base of inside petals sometimes streaked with white.

**MAD COCHET**—Creamy rose with crimson centre.

**MAD WATTEVILLE**—Creamy yellow, richly colored with rosy blush, and bordered with bright crimson.

**MRS. PIERREPONT MORGAN**—Intense rosy crimson.

**PAPA GONTIER**—Dark crimson red, with long pointed buds.

**PRINCESS BONNIE**—Deep vivid crimson.

**RAINBOW**—Beautifully striped pink and crimson with amber colored centre.

**SOUV. DE CLAIREUX**—Bright purplish rose.

BEAUTY INCONSTANT.

GOLDEN GATE.

MARIE GUILLOT.

MAD. WATTEVILLE.

BRIDE.

## HYBRID TEA ROSES.

A valuable class of half-hardy roses, combining the flowering qualities of the Teas with the rich coloring and fragrance of the Hybrid Perpetuals. **10c each, $1.00 per dozen, unless otherwise noted.**

**BELLE SIEBRICHT**—This grand variety, introduced a few years since, is one of the best we have ever grown for summer blooming. The flowers are of large, full form, of a rich, deep pink color. It is a wonderfully free bloomer, and is quite hardy in some Northern localities. We believe it possesses unusual merit as a variety for amateur cultivation, and heartily recommend it to our customers who wish a variety combining so many good qualities.

**CHRISTINE DE NOUE**—A constant and very free bloomer. Blossoms large and handsome; buds long and finely pointed; color clear, rich maroon, or deep purplish red. Very fragrant.

**DUCHESS OF ALBANY**—Rich, deep pink. An improvement on the well known Lafrance.

**KAISERIN AUGUSTA VICTORIA**—Long, pointed buds; blossoms large, full, double and fragrant. Color, delicate, creamy white. It is hardy in many sections of the North, standing in the open ground with slight protection without injury.

**LAFRANCE**—Large, well-expanded blooms of a light pink color. Very fragrant.

**STRIPED LAFRANCE**—Identical with the above except in color, which is bright, satiny pink, distinctly striped with bright rose.

**METEOR**—One of the most brilliant roses ever introduced. Succeeds admirably when planted on the lawn for summer blooming, and is equally good for pot culture in the house. The color is a rich, velvety crimson.

**MRS. DE GRAW**—Bright, rich pink. A free and continuous bloomer.

**PRES. CARNOT**—Long, pointed buds; blossoms of a delicate, rosy blush, shaded a trifle deeper in the center. Delicious fragrance, strong grower and free bloomer. One of the most meritorious of recent introductions and bound to become very popular.

**QUEEN OF SCARLETS**—Rich velvety scarlet, very brilliant and striking. A constant and profuse bloomer. We consider this the best scarlet bedding rose in existence.

**WHITE LAFRANCE**—Pure white, very large, full and finely formed. A free and continuous bloomer. Very fragrant.

**BEAUTY OF ST. PAUL**—This grand variety introduced by us two years ago has proven more valuable than we at first supposed. It is equally adapted to growing in the open ground, or as a pot plant in the house. It is a strong, vigorous grower and a most profuse bloomer. It is not hardy in the North, though with slight protection it will live outside over winter anywhere south of the Ohio river. The color is a deep glowing pink, a trifle darker than the Bridesmaid. The buds are tight and pointed like that variety, though the petals are longer. When fully expanded the blossoms are similar to the LaFrance. We have an immense stock of choice plants of this variety and would advise all our friends to place their orders early before it becomes exhausted. **15c each, $1.50 per dozen.**

## POLYANTHA ROSES.

Beautiful, free-flowering, miniature roses, admirably adapted to pot culture and for planting in the open ground. The flowers are quite small and borne in clusters, each cluster making a bouquet in itself. They are quite hardy and have been known to stand our severe Northern winters with **slight protection 10c, each, $1.00 per dozen.**

**CECIL BRUNER**—Rosy pink on rich, creamy white ground. A very profuse bloomer. Flowers larger than most others of its class.

**LITTLE WHITE PET**—Pure, creamy white, sometimes delicately tinged with salmon rose. Flowers very full and double.

**CLIMBING WHITE PET**—Identical with the above, excepting its habit of growth, it being a strong, vigorous climber.

**MIGNONETTE**—Clear pink, tinged with pale rose. A profuse bloomer. Blossoms full and double.

**CLOTHILDE SOUPERT**—This is one of the grandest roses ever introduced, either for pot culture or bedding. It is a strong, dwarf grower, and the most wonderful bloomer ever known, being continuously in flower the entire year. The blossoms are large, round, flat, perfectly full and double, and deliciously fragrant. The color is pure white, shading to silvery rose in the center.

**PINK SOUPERT**—A worthy companion to the White and Yellow Soupert. As free blooming as the White Soupert, but of a deep, rich, pink color.

**YELLOW SOUPERT**—(Mosella.) Combines the form and size of the Tea Roses with the free-flowering, branching habit of the Polyanthas; is quite hardy and may be left in open ground with slight protection during the winter. Blooms very freely the entire season. Color, light yellow, shading to white at edge of petals.

**The Three Souperts for 25c, postpaid. The entire set of Seven Polyanthas for 50c postpaid.**

### GLORIOUS ROSE COLLECTION FOR GARDEN CULTURE.

| | |
|---|---|
| 1 Belle Siebricht. | 1 Kaiserin. |
| 1 Dr. Raymont. | 1 Etoile D'Or. |
| 1 Lady Dorothea. | 1 Marion Dingee. |
| 1 Beauty Inconstant. | 1 Mrs. Pierpont Morgan. |
| 1 Rainbow. | 1 Kaiserin Augusta Victoria. |
| 1 Pres. Carnot. | 1 Clothilde Soupert. |
| 1 Etoile De Lyon. | |

**A bakers dozen—13 grand roses for $1.00 postpaid, or 4 collections for $3.00 by express. No better collection has ever been offered.**

### GARDEN GEM COLLECTION.

The finest in the land for amateur cultivation. These are young growing plants, for immediate effect on the lawn. They should be planted about May 15th to June 1st, in this latitude, after the ground becomes warm and settled.

| | |
|---|---|
| 1 GoldenGate. | 1 Marie Guillot. |
| 1 Meteor | 1 Mad Watteville. |
| 1 Beauty of St. Paul. | 1 Clothilde Soupert. |

**Six grand bloomers for 50c postpaid Five collections for $2.00 by express.**

BELLE SIEBRICHT.

CLOTHILDE SOUPERT.

BEAUTY OF ST. PAUL.

KAISERIN.

METEOR.

LORD PEN-ZANCE.

## Lord Penzance Sweet Briar Roses.

(See Cut.) These are hybrids between the Sweet Briar and various old-fashioned garden roses. The foliage is sweet scented like the common Sweet Briar. The blossoms are borne in wonderful profusion. The plants are of very vigorous growth and perfectly hardy. The flowers are followed by dark red seed pods, rendering the plants very attractive at all times. Their beauty is best displayed by being planted singly on the lawn. Each plant should have a stake 4 to 5 feet high to which 2 or 3 of the principal shoots should be tied to prevent the plant from being blown over, but the branches look best if allowed to hang naturally **They should never be pruned, like other roses, as they will produce but few or no blossoms if they are. Amy Robsart, rose. Anne of Gierstein, crimson. Brenda, blush white. Lord Penzance, fawn. Rose Bradwardine, pink. Strong 2-year-old plants only at 35c each, postpaid, or $3 00 per dozen, by express.**

THE HARDY "MEMORIAL ROSE."—(Rose Wichuraiana.) A trailing species from Japan, creeping on the ground almost as closely as an ivy. The foliage is a deep, rich, glossy green, shining as if varnished. The blossoms are pure white, while the sepals form a large, yellow disc in the center It is most appropriate for covering graves and plots in cemeteries, also for covering arbors, trellises, rocks and unsightly embankments. **Two-year-old plants 40 cents each.**

HYBRID WICHURIANA ROSES—These possess the same characteristics of growth and hardiness as the Memorial Rose above described, with the additional advantage of producing double flowers. **Strong 2-year-old plants 50 cents each.**

FAVORITE—Double rose-colored blossoms, 2 inches in diameter and very fragrant.

PERFECTION—Double blossoms, 1½ inches in diameter. Color soft blush pink, at the tips changing to white.

ROAMER—The blossoms are large, single, of a bright pink color, with a white center.

TRIUMPH—This is the **Double Memorial Rose** as it has the same color as that desirable variety, with its characteristics of growth and habit.

## Choice Hardy Climbing Roses.

BALTIMORE BELLE—Pale blush, nearly white, very double Blossoms in large clusters. **Strong 2-year-old plants 35 cents**

EMPRESS OF CHINA—The nearest approach to a perpetual blooming climber yet introduced. The blossoms are of good size, perfectly double, of a soft red color changing to light pink. **2-year-old plants 40 cents**

PINK ROAMER—The single flowers, which are produced in close heads, are nearly two inches in diameter, bright, rich pink, with almost a white center. **2-year-old plants 40 cents**

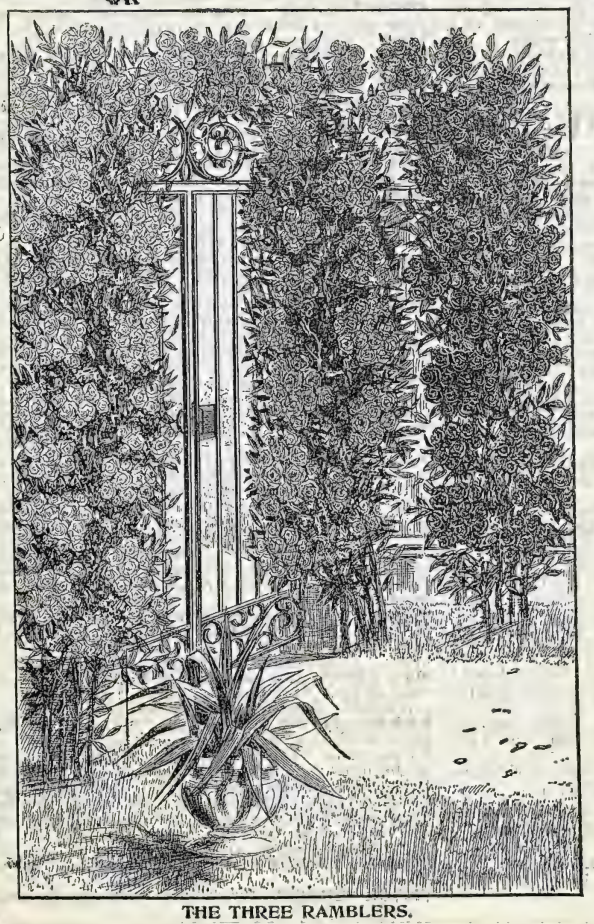
PINK RAMBLER—(Euphrosyne.) The color of the flowers is pure shiny rose. In hardiness, freedom of bloom, form and color of flower, and vigorous climbing habit, this variety is fully the equal of Crimson Rambler. **2-year-old plants 35 cents each.**

QUEEN OF PRAIRIE—Bright, rosy red, large, compact, globular flowers, produced in clusters. **2-year-old plants 35 cents each.**

SEVEN SISTERS—A splendid rose blooming in clusters; crimson, changing all shades to white. **2-year-old plants 35 cents each.**

HELENE—A chance seedling of the Crimson Rambler, which it resembles in growth and habit. The blossoms are larger and more double than the Crimson Rambler and are borne in magnificent clusters. The color is a soft carmine rose. **50 cents each.**

**All Roses listed on this page, except small ones at 10c each will be strong 2-year-old dormant plants**



THE THREE RAMBLERS.

**Strong, well rooted, young plants of any of the Climbers listed on this page, except Dorothy Perkins and Helene, for 10c each, $1 00 per dozen. Three Grand Ramblers, Yellow, White and Crimson for 25c postpaid**

CRIMSON RAMBLER—This is certainly the most wonderful climbing rose ever introduced and each year's experience with it only strengthens our confidence in it. It is **absolutely hardy in all localities, a most vigorous grower, a most prolific bloomer, fine for growing on trellises, unexcelled for covering porches, walls, etc., admirable for pot culture for Easter forcing, at all times when in bloom, producing a gorgeous mass of crimson blossoms which remain on the plant a long time.** The plant often grows from 12 to 15 feet in a single season, commences to blossom in June, continuing throughout the season. The flowers are deep crimson, borne in immense clusters which remain on the plant a long time. **Strong 2-year-old plants 35c each, postpaid, or $3.00 per dozen by express.**

YELLOW RAMBLER—This is a fit companion for so beautiful and valuable a rose as the Crimson Rambler. It is perfectly hardy, more vigorous in growth, if possible, than the Crimson, a profuse bloomer and succeeds well in any and all localities. The flowers are pure yellow, double, of good size, fragrant and borne in immense clusters like the Crimson, and last a long time without fading. **Strong 2-year-old plants 35c each postpaid, or $3.00 per dozen by express.**

WHITE RAMBLER—The plant is strong and vigorous, perfectly hardy, a most prolific bloomer. The blossoms are very double, pure white, borne in clusters and remain on the plant a long time. It closely resembles Crimson Rambler in every particular save color. **Strong 2-year-old plants 35c each, postpaid, $3.00 per dozen by express.**

THE THREE RAMBLERS above described form a worthy trio fit to adorn the palace of a king or to beautify the humble cottage of the poor. Nothing can surpass them in beauty, the three colors contrasting beautifully and forming a perfect bower of loveliness. **Three strong 2-year-old plants, 1 of each, for $1.00, postpaid.**

DOROTHY PERKINS—(See Cut.) This grand new rambler variety bids fair to rival the well known Crimson Rambler when it becomes generally disseminated. It is said to be as hardy as the Crimson, blooms as freely and surpasses the former in size, form and beauty of bloom. The blossoms, which are borne in immense clusters of from 20 to 30 are about 1½ inches in diameter, perfectly double, the petals prettily rolled back and crinkled, of a beautiful shell pink color, which holds a long time without fading. As a florists forcing plant for Easter it is bound to become most popular. **Strong 2 year old plants. 50c each.**

DOROTHY PERKINS.

# MINNESOTA COLLECTION OF HARDY ROSES.

**Six plants (Strong young growing stock,) for 50c postpaid. Six, strong, field grown, dormant plants for $1.50 by express at purchasers expense.**

We have offered this collection of roses for several years and the plants have given such general satisfaction that we feel there is no better collection to be found in our entire list. **They are hardy and reliable everywhere,** yielding rich harvests of bloom at a small expense and are bound to please. This collection contains a wide range of colors and the varieties are of rapid, vigorous growth and very free blooming qualities. **If you want a nice bed of roses all summer long, that will increase in size and beauty from year to year, buy the Minnesota collection.**

**NO. 1. MAGNA CHARTA**—Rosy red, flushed violet crimson. Very large, full and fragrant. A free bloomer.

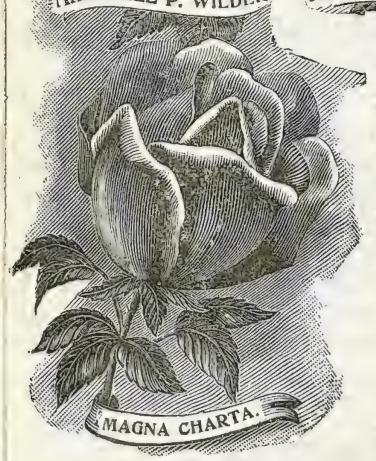
**NO. 2. MARSHALL P. WILDER**—A very hardy, vigorous, free flowering variety, a seedling of Gen. Jacqueminot. Color bright scarlet-crimson, richly shaded with maroon. Very fragrant.

**NO. 3. PRINCE CAMILLE DE ROHAN**—Dark velvety crimson, the darkest in cultivation. Full and double.

**NO. 4. MARGARET DICKSON**—White with pale flesh center; of magnificent form and very fragrant.

**NO. 5. FRANCOIS LEVET**—Soft China pink, shaded carmine and blush. A most vigorous grower.

**NO. 6. PAUL NEYRON**—Deep, clear rose. Blossoms of the very largest size, full and double. Very fragrant.




## RUGOSA ROSES.

**(Japanese Single Roses.)**

These are very valuable for planting in large masses, producing fine landscape effects. The foliage is very attractive, dark glossy green, thick and leathery, shining as if varnished. The blossoms are large, single, and produced in greatest profusion from early summer until fall. These are followed by bright, attractive seed pods. The plants are very vigorous and are not troubled with insects.

**RUBRA**—Deep rose, borne in large clusters.

**ALBA**—Pure snowy white, in large clusters.

**Strong 2 year old plants, 40c each postpaid; $3.50 per dozen by express.**

RUGOSA.

## HYBRID PERPETUALS.

To this class belong the hardy outdoor everblooming varieties. While nearly or quite all of them are hardy throughout the North without protection, still we earnestly advise our patrons to give them a slight protection of earth or autumn leaves during the winter. The increased vigor of growth and consequent increased bloom will amply repay the labor of protecting them. Do not cover the plants too soon; a slight freezing will not hurt them, but help to ripen the wood. The best material we know of for covering, is autumn leaves, but where these cannot be readily obtained, hay, straw, light manure, street sweepings, pine or cedar boughs will afford ample protection. Cover sufficiently to prevent the roots from freezing, but not to exclude all air and light. Do not uncover too early in the spring, but wait until all danger of freezing is past and the weather becomes settled. As soon as uncovered, prune the plants, cutting off all dead and discolored branches.

**Strong two year old dormant plants, 40c each postpaid, or $4.00 per dozen by express at purchasers expense.**

**Strong, young, growing plants, from our Greenhouses. 10c each, $1.00 per dozen postpaid.**

**ALFRED COLOMB**—Brilliant carmine crimson, very large, full and of fine globular form; extremely fragrant and in every respect a superb sort. One of the very best in cultivation.

**AMERICAN BEAUTY**—Large, rich rose crimson.

**ANNA DE DEISBACH**—Brilliant rose color, with long, pointed buds. Blooms extra large. Very hardy.

**BARON MAYNARD**—White, slightly tinged blush.

**BARON DE BONSTETTIN**—Rich velvety maroon; large, full.

**BARONESS ROTHSCHILD**—Light pink, cupped form. Very symmetrical. Hardy and a late bloomer.

**BLACK PRINCE**—Very dark red, the darkest in and rich, large, full and beautifully formed.

**CLIMBING JULES MARGOTTIN**—Carmine rose, lightened with pink; full flowers of medium size, very pretty in bud.

**CLIMBING VICTOR VERDIER**—Brilliant rosy carmine edged with purple; very large, full and fragrant.

MABEL MORRISON.

**CHAS. LEFEBVRE**—Reddish crimson, very velvety cultivation.

**CLIO**—The flowers are beautiful at all stages of development, from the small bud to the full open flower; color, delicate satin blush, with a light shading of rosy pink at the center. Very free blooming and strong, healthy grower.

**COQUETTE DES ALPS**—Large, full flowers of pure white, sometimes slightly tinged with pale blush. Vigorous grower.

**DUKE OF TECK**—Very bright crimson, full, medium size; particularly fine early in the season.

**EARL OF DUFFERIN**—Rich brilliant velvety crimson, shaded with dark maroon; large, full, finely formed and fragrant.

**FISHER HOLMES**—Deep glowing crimson, large, moderately full and of fine form.

**GEN. JACQUEMINOT**—A rich velvety crimson, changing to scarlet crimson. The best known and most popular of Hybrid Perpetuals.

**GEN. WASHINGTON**—Bright red, with crimson shade; large, full and a free bloomer.

**JOHN HOPPER**—Bright rose with carmine center, large and full. A profuse bloomer and a standard sort

**JULES MARGOTTIN**—Light brilliant crimson, large, full and beautiful.

**LOUIS ODIER**—Bright carmine rose, large full flower,

**MABEL MORRISON**—(See Cut.) A grand rose and worthy of more general cultivation. The plant is a strong, clean, vigorous grower; very hardy, doing well in all sections of the country and thriving under most adverse conditions. The blooms are extra large, full and rounded with broad, shell-like petals. It is a pure, snowy white sometimes faintly tinged pink on the end of the petals.

**MAD. GABRIEL LUIZET**—Flowers extra large, double, full and fragrant; color an exquisite shade of clear coral rose suffused with lavender and pearl.

**MAD. CHAS. WOOD**—One of the most beautiful of all roses. Color bright fiery scarlet, passing to fine rosy crimson, shaded maroon.

**MAD. GEORGE BRUANT**—The blossoms are of large size, semi-double, and produced very freely in clusters of five. The buds are long and pointed, most beautiful in form.

**MAD. PLANTIER**—Very large, double, pure white.

**MAD. ALFRED DE ROUGEMONT**—Pure snow white flowers, finely tinted and clouded with pale, rosy blush. Large full blossoms borne in clusters.

**MRS. JOHN LAING**—A continuous bloomer. Large, long stems. Fine large blooms of good form and exceedingly fragrant. Color, soft pink.

**PIERRE NOTTING**—(See Cut p. 77.) One of the finest roses grown. We cannot recommend this too highly for we know it possesses unusual merit. It is one of the most free blooming sorts in our entire list. It is a vigorous grower, perfectly hardy, blooming early and late. The blossoms are of globular form, very large, highly scented, of a deep velvety crimson color. The buds are long and pointed. The best fall bloomer we know of.

**ULRICH BRUNER**—Brilliant cherry red. A very effective color.

**VICTOR VERDIER**—Bright rose with carmine center.

## U. S. GRANT.

**Almost as hardy as an oak. Will thrive in any section of the United States. Blossoms freely the entire summer.** This is the famous rose we introduced as "Unknown Beauty" and which we allowed our patrons to name by votes. Thousands and thousands of votes were sent in from all parts of America, and Gen. Grant proved to be the favorite. It is truly an ever-blooming hardy rose and can be grown by any one. The flowers are of an enormous size, cup-shaped, full and deep, the petals thick, heavy and of a peculiarly rich, velvety red color. It is a magnificent rose, either in bud or as an open flower, and its deep color makes it especially desirable for cutting. It is one of the very few varieties which will succeed in all parts of the United States, doing equally as well in the East as it will in the far West, while its hardiness and healthy habit enable it to withstand both the severe winters of our northern states and the burning sun of the far South. Remember, we do not recommend this rose for house culture at all, but for the open garden we have never seen one that could surpass it in hardiness, habit of growth or beauty of coloring.

**You cannot procure U. S. Grant except from us, as we control the entire stock. Strong, well rooted, young, growing plants 25c each; 2 year old dormant plants 60c each.**

## MOSS ROSES.

The beauty of this class of roses is beyond compare. Many so-called mosses are offered each year, but very few genuine mosses are sent out. Owing to the difficulty in propagating them, they are bound to be scarce. We have selected a few varieties which we have tested for several years and which we recommend to our customers.

**Price, unless otherwise noted, for strong 2 year old dormant plants, 40c each postpaid, or $4.00 per doz. by express.**

**ASHBOURNE PRIZE**—This is without doubt the most beautiful, deep red variety that has ever been produced. The flowers are a rich, deep velvety red, extra large and highly perfumed. The plant is a strong, thrifty grower, and produces its blossoms in the greatest abundance. This variety after thorough testing has been found perfectly hardy. **Strong 2 year old plants 50c.**

**BLANCHE MOREAU**—Large, full and fragrant, pure white blossoms produced in clusters. Both flowers and buds have an abundance of moss.

**BLANCHE ROBERT**—Blush white. Flowers large, full and double, produced in great profusion.

**COUNTESS MURINAIS**—A most vigorous grower and profuse bloomer. White, tinged blush.

**CRESTED MOSS**—Large full blooms of a bright rose color. Very fragrant and beautiful.

**CRIMSON GLOBE**—Large, full, deep crimson, globular blooms.

**GLORY OF MOSSES**—Extra large and perfectly double. Color, deep rosy carmine shaded purplish crimson. A superb sort.

**HENRI MARTIN**—Large globular flowers, full and fragrant. Rich, glossy pink, tinged with crimson.

**PRINCESS ADELAIDE**—Fine large flowers, very double and fragrant. Color, bright rosy pink.

**SALET**—A vigoroug grower and perpetual bloomer. Light rose color, large and full.

## TREE ROSES.

These are grafted on hardy rose stalks 4 to 5 feet high, are tree shaped, and when in full bloom are objects of beauty, making handsome plants for the lawn or rose border. In this shape we offer only the Hybrid Perpetual or hardy class. We have them in white, the different shades of pink, red and crimson. Fine, strong trees that will bloom nicely the first year, $1.00 each. **These can only be sent by express or freight.**

# Valuable Collections.

### MOSS ROSE COLLECTION.

1 ASHBOURNE PRIZE—Velvety red.
1 BLANCHE MOREAU—Pure white.
1 CRESTED MOSS—Bright rose.
1 CRIMSON GLOBE—Deep crimson.
1 GLORY OF MOSSES—Carmine.
1 COUNTESS MURINAIS—Blush white.

**6 Choice Perpetual Bloomers.**

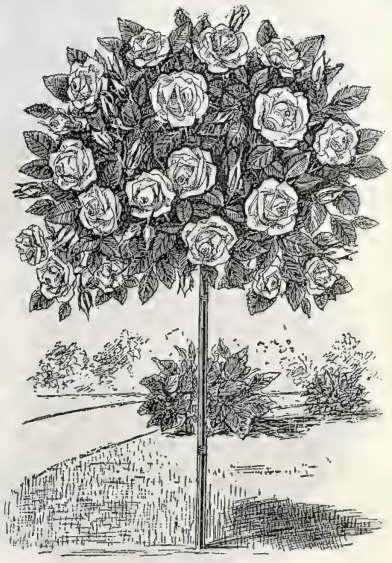
These will make a beautiful show on the lawn. **Strong 2 year old plants for $2.25, postpaid, or $2.00 by express.**

### ARCTIC COLLECTION OF HARDY ROSES.

These we offer in 2 year old plants only. They are perfectly hardy everywhere, contain a choice assortment of colors and will give an abundance of bloom throughout the season. **Remember, they are strong, dormant 2 year old plants.**

1 AMERICAN BEAUTY—Large red.
1 ANNA DE DEISBACH—Dark rose color.
1 CLIO—Light blush and pink.
1 GEN. JACQUEMINOT—Crimson.
1 MABEL MORRISON—White.
1 PIERRE NOTTING—Velvety crimson.
1 ULRICH BRUNER—Cherry red.
1 VICTOR VERDIER—Bright rose.
1 MAD. PLANTIER—Double pure white.
1 BARONESS ROTHSCHILD—Light pink.
1 TREE ROSE.

**11 strong 2 year old dormant plants, including the Tree Rose, for $4.00. Any 6, including the Tree Rose, for $2.25.**



TREE ROSE.

In comparing our prices with others please bear in mind that the stock we offer is well rooted, strong and healthy, grown by our cool system, which insures toughness of fibre, an abundance of roots and ability to withstand shipping better than if forced quickly into growth in warm houses. **Our stock costs more to grow and is worth more.**

MANHATTAN, MONT.,
April 28th, 1903.

L. L. May & Co.,
St. Paul, Minn.

Gents:—I received the plants last eve——also 7 Dahlia Bulbs, all as fresh and nice as if they had just been dug.

You certainly deserve great credit for the way you ship plants. I am well pleased with them. Express is the true way to ship them. A little extra dirt on roots of plants is a good thing, and as far as extra charges on express goes, that cuts no figure. Thanks.

Yours truly,
M. D. LEDBEATER.

PIERRE NOTTING. (See page 76).

# OUR NURSERY DEPARTMENT.

Our nurseries, situated 15 miles east of St. Paul, **are the most northern in America**, and admirably located in a pleasant, fertile valley, an ideal spot for growing nursery stock. The soil is a rich, deep, dry, black loam, which, by careful and systematic cultivation has been brought to the highest state of fertility and productiveness.

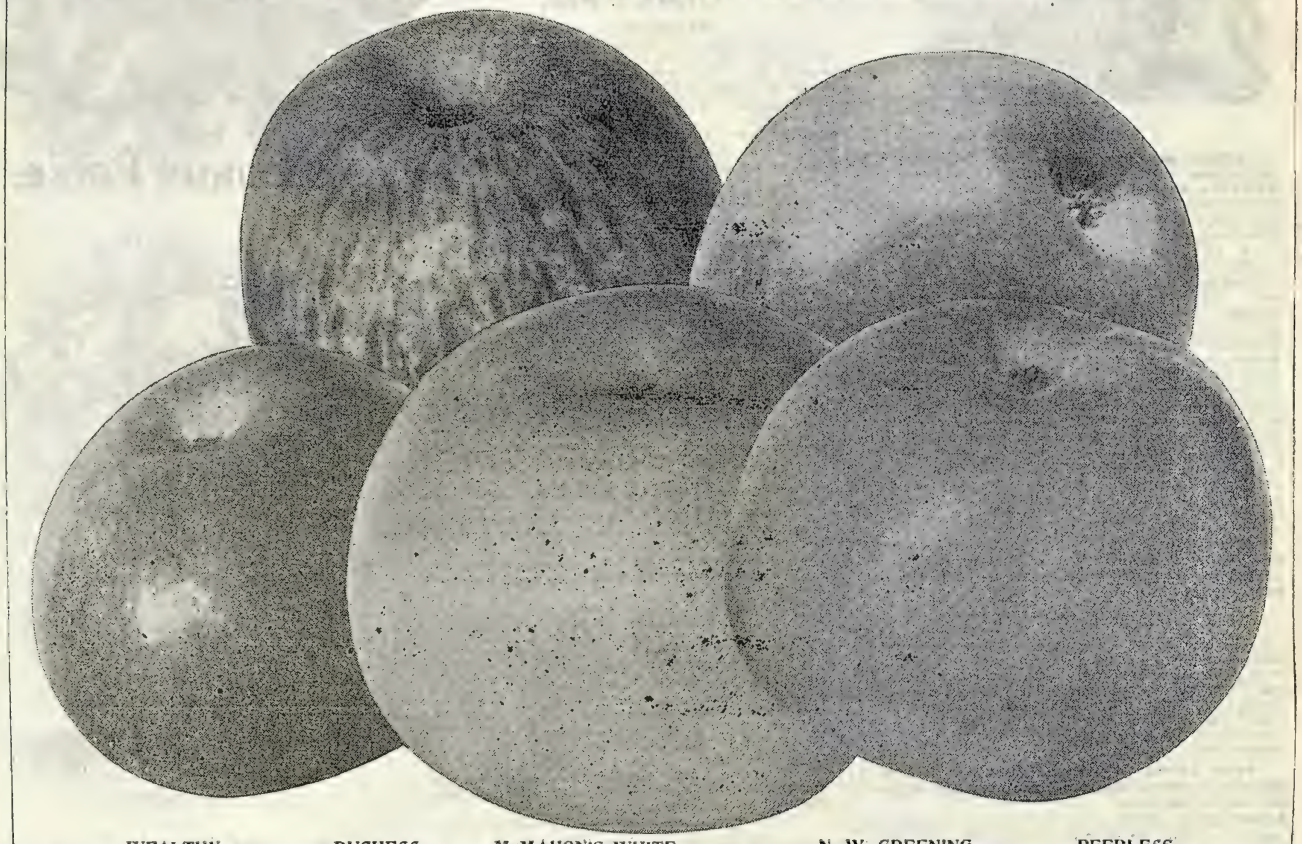
The old-time theory, that fruit cannot be grown in the Northwest, has been thoroughly exploded, and each year more and more is being produced in this section. **The varieties we grow are hardy here**, and being thoroughly acclimated are much more suitable for this section than trees grown further south. Our soil and climate are especially suited to growing hardy fruits, shrubs, etc., giving them that toughness of fibre and vitality of root which enables them to withstand with equal vigor the blazing sun of the South, the dry, scorching winds of the prairie and the severe freezing of the North.

Our packing sheds are the most complete in the country, and with the cellars adjoining, afford ample storage capacity for millions of trees and plants. This enables us to pack and ship early to accomodate our Southern trade. The packing season usually begins in February and continues till the end of May. Having ten trunk line railroads centering here, our shipping facilities are exceptionally good, and close connection can be had with through lines to every part of the country.

MINNESOTA AGRICULTURAL EXPERIMENT STATION.
OFFICE OF STATE ENTOMOLOGIST. St. Anthony Park, Sept. 26, 1903.
**CERTIFICATE OF INSPECTION.**

This is to certify that the stock at the nursery and premises of L. L. MAY & CO., of St. Paul, Minnesota, has been carefully examined in compliance with the law, and that it is apparently free from dangerously injurious insects and contagious diseases.
This certificate is good until Sept. 19, 1904, unless revoked. F. L. WASHBURN, State Entomologist.

## MINNESOTA PERFECTION APPLES. SEE OPPOSITE PAGE.



WEALTHY. DUCHESS. McMAHON'S WHITE. N. W. GREENING. PEERLESS.

**IMPORTANT.**—Unless otherwise noted all goods in this department will be shipped by express or freight.

**IN FILLING ORDERS** from this list we reserve the right to substitute varieties considered by us of equal merit, provided we are sold out of the variety ordered. In such cases we label the variety substituted with its true name. But if customer wishes no substitution made and so states in his order, we will fill order as far as possible and return the money for the portion we cannot fill.

**ALL STOCK WILL BE PACKED** in the most approved manner, so as to reach our customers in the best possible condition. All heavy packages should be sent by freight to avoid excessive charges. Express rates are very reasonable on this class of goods, being 20 per cent less than regular merchandise, pound rates to apply.

**OUR GUARANTEE.**—We guarantee all stock to be up to size and grade specified in list and to be in a healthy, living condition when it leaves our hands. This guarantee holds good only when we are notified promptly on arrival of goods, stating any errors or cause for complaint. We also guarantee stock to be true to name, with the understanding, that in case it does not prove so, we will replace such stock free of charge.

**AT PRICES QUOTED.**—We make no charge for boxing, packing and delivering at express or freight office. **6 at dozen rates, 50 at 100 rates. Write for prices on larger quantities.**

**PREPARATIONS FOR PLANTING.**—Plow and subsoil repeatedly, so as to pulverize thoroughly to a depth of 12 to 18 inches. When planting on the lawn or grass plots, remove the sod for a diameter of four or five feet, and keep this space well worked and free from weeds. Dig the hole deeper and larger than is necessary to admit all the roots in their natural position, keeping the surface and subsoil separate. Cut off broken and bruised roots, and shorten the tops to half a dozen good buds, except for fall planting, when it is better to defer top-pruning until the following spring.

**PLANTING.**—Fill up the hole with surface soil, so that the tree will stand about as it did in the nursery after the earth is settled. Work the soil thoroughly among the roots, and when well covered, tramp firmly. Set the tree firm as a post, but leave the surface filling (or poorer soil) light or loose. No staking will be required except for very tall trees.

**MULCHING.**—After trees or bushes are planted it is a great advantage, in spring or fall, to mulch with a layer of litter or coarse manure 4 or 5 inches deep, extending 2 to 3 feet out from the trunks all around and sufficient to cover all the roots beneath. This prevents the ground cracking or baking, and keeps the earth moist and of an even temperature.

**AFTER CULTURE.**—No grass or weeds of any description should be allowed to grow around young trees or plants. To get the best results the ground should be kept clean and loose around them, at least until they begin to bear. Where the ground is poor, surface applications of manure are needed. Pruning should be done regularly every spring before the buds swell; in this way removal of large branches is avoided.

# MINNESOTA PERFECTION APPLES.

SEE PAGE 78.

**PRICES: MAILING SIZE—25c each, or the set of 5 for $1.00 postpaid. SECOND CLASS—4 to 5 feet, 25c each, or the set of 5 for $1.00 by express. EXTRA HEAVY—5 to 7 feet, 35c each, or the set of 5 for $1.50 by express.**

**A Quintet of Minnesota Grown Iron-clad Varieties. Hardy Everywhere, Always Productive, Entirely Reliable, Producing Delicious Fruit at all Times and in all sections**

The collection which we offer herewith is the very finest ever put upon the market by any firm. They are not untried novelties, but have been thoroughly tested and found reliable, hardy and productive in all sections.

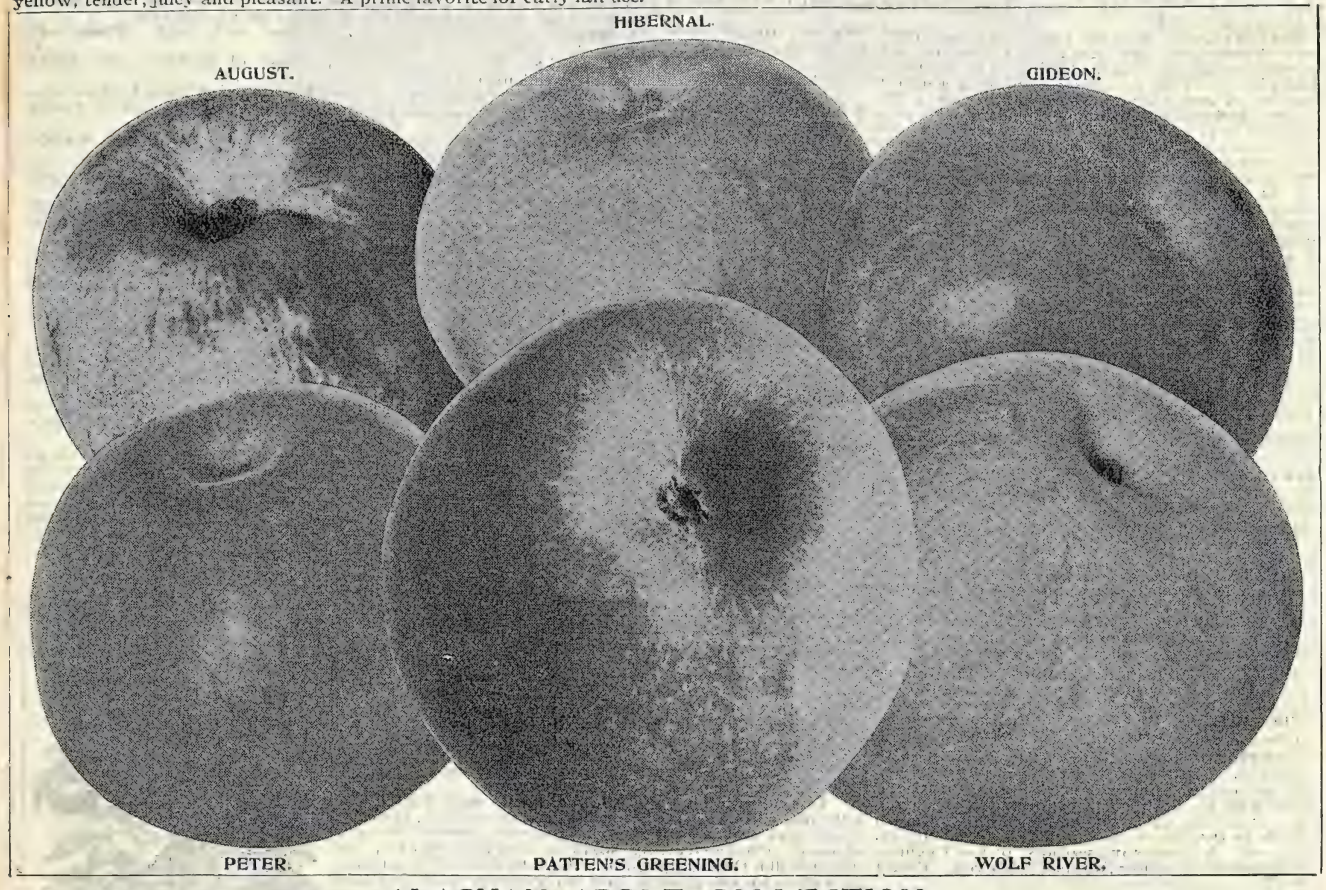
**PEERLESS**—A winter ripening variety, which originated in Rice County, Minnesota, fifteen years ago, and has grown into great favor with all fruit growers who have tested it. The fruit is large, round, well colored, and is first-class for cooking or eating. The tree is a good grower, with a very heavy dark green foliage, and comes into bearing early. The scions from which our stock is grown are true descendents of the original Peerless Apple Tree.

**N. W. GREENING**—No better variety has ever been introduced than this one, which possesses all the good qualities to be found in a perfect fruit. The tree is a clean, straight, vigorous grower, commences to bear fruit very early and bears annually thereafter. The fruit is of largest size, smooth, symmetrical, light yellowish green and of rich, delicious quality, at its best in early winter

**McMAHON'S WHITE**—This most desirable variety is one of the largest apples we have ever seen. The tree is perfectly hardy, a clean, vigorous grower, and produces large crops annually of choice marketable fruit. The flavor is most excellent, rich, crisp and juicy, and in addition, it is a fine late keeper.

**WEALTHY**—This fine Minnesota variety is one of the best in existence, and one which has proven perfectly reliable everywhere after many years trial. Fruit is medium to large, dark crimson, flesh crisp, sub acid, white tinged red and of unsurpassed quality.

**DUCHESS**—This is another well-known sort which, when once grown is never discarded. It is of medium to large size, round, streaked red and yellow, tender, juicy and pleasant. A prime favorite for early fall use.




# ALASKAN APPLE COLLECTION.

**PRICES: MAILING SIZE—25c each, or the collection of 6 for $1.25 postpaid. SECOND CLASS—4 to 5 feet, 25c each, or the collection of 6 for $1.25 by express. EXTRA HEAVY—5 to 7 feet, 40c each, or the collection of 6 for $2.00 by express.**

No better Collection than this has ever been offered. They are well adapted to our soil and climate, are perfectly hardy everywere and annually produce large crops of fine fruit. They are especially valuable to the planters of the North, West and Northwest, and are equally good for all sections of the country. They are hardy, vigorous, blight proof and productive at all times and in all sections.

**GIDEON**—Originated near Lake Minnetonka this state, about fifteen years ago and after many years trial in all sections is considered one of the very best winter sorts. The tree is a vigorous grower, which comes into bearing early and is a sure and constant producer. The fruit is medium to large, yellow with a red blush on the sunny side; fine juicy sub-acid flavor, keeping till well toward spring.

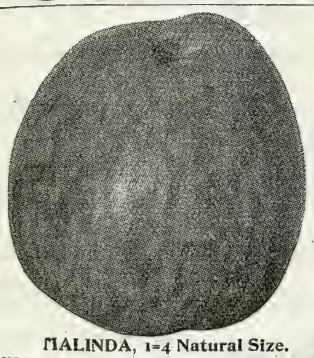
**HIBERNAL**—Tree of Russian origin. Large, showy fruit, striped red and handsomely colored. Sub-acid flavor, good for both cooking and eating.

**AUGUST**—Another Minnesota variety originating with Peter Gideon, the pioneer in apple culture in this state. The fruit is of medium size, light yellow, heavily streaked and splashed with bright red. Of unsurpassed quality, ripening in August.

**PETER**—This Minnesota variety possesses all the good points of all the good kinds and none of the defects so common in many good sorts. The fruit is large, red, sub-acid, somewhat resembling Wealthy in appearance, and a much longer keeper. It endured the severe winter of 1885 without injury, when Duchess and Wealthy were frozen to the ground.

**WOLF RIVER**—A new and beautiful variety, which originated near Wolf River, Wisconsin. The tree is a strong grower, perfectly hardy and an early and abundant bearer. The fruit is very large, greenish yellow, heavily shaded with crimson. The flesh is white, tender and juicy, with a pleasant, mild, sub-acid flavor. It keeps till late winter in perfect condition.

**PATTEN'S GREENING**—A seedling of the Duchess, which originated in Northern Iowa. The tree is perfectly hardy and very productive. Fruit of large size, olive green, with an occasional dull red stripe or splash. The flavor is pleasant, sprightly, sub-acid and unsurpassd for cooking purposes.



MALINDA, 1-4 Natural Size.

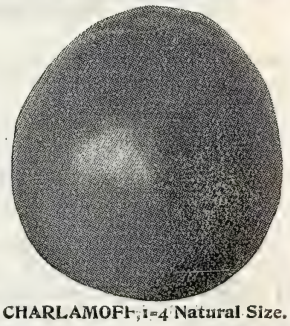
# GENERAL LIST OF IRON CLAD VARIETIES

## Of Native or Russian Origin.

**MAILING SIZE—25c each, $2.50 per dozen postpaid.**
**SECOND CLASS—4 to 5 feet, 25c each, $2.50 per dozen by express**
**EXTRA HEAVY—5 to 7 feet, 35c each, $3.50 per dozen by express**

**These are all perfectly hardy, vigorous and productive, and thoroughly reliable for the Northwest and all other sections of the country.**

**Summer ripening varieties are indicated by "S." Fall, "F." Winter, "W." Varieties marked with a star cannot be supplied in large sizes.**



CHARLAMOFF, 1-4 Natural Size.

**ANISIN**—W. Of Russian origin. Strong, upright grower. Fruit of medium size, excellent flavor and a good keeper.

***ANTONOVKA**—W. This is one of the true iron clads. The tree is of Russian origin and perfectly hardy, withstanding our coldest winters in fine shape. The fruit is large, slightly oblong and when fully ripe of a light golden color.

***ARABSKOE**—F. A new Russian variety. Fruit medium, round, dark red. Flesh white and juicy. A handsome, hardy variety of unsurpassed excellence. Ripens October and November.

**BERLIN**—F. This kind originated from a seed of the Duchess planted in Berlin. A very early and abundant bearer. The fruit is fully as large as the Duchess, splashed more heavily with red, somewhat longer and of much finer appearance. Tree as hardy as the hardiest. We believe that this variety possesses unusual merits and are pleased to recommend it to our friends. For large growers who wish a superior market sort, we believe this one offers unusual attractions, as its large size, handsome appearance and early ripening qualities render it especially valuable.

**BOROVINKA** — F. Russian. Resembles the Duchess in form, size and color, but ripens fully a month later. The flesh is finer, less acid and a much better eating variety. An early and full bearer and a true Iron clad.

***CHARLAMOFF**—F. This valuable variety of Russian origin is one of the hardiest and best we have ever grown. The tree is of fine, vigorous growth, comes into bearing early, and produces fine crops of fruit. Fruit, oblong, heavily streaked with carmine. A good keeper of most excellent quality.

**CROSS**—W. Russian. Fruit medium to large, yellowish green, striped and splashed red.

**DOUGLASS**—W. A native seedling. Fruit, medium to large, well colored, of delicate flavor and good keeping qualities.

***GILBERT**—F. Minnesota origin. Resembles the Duchess in color, but ripens three weeks later. Sub-acid flavor.

***GREATER DUCHESS**—F. Originated in Wisconsin. Fruit of the size and color of Duchess, but slightly flatter.

***HARRY KAUMP**—F. Wisconsin origin. Fruit, medium green with a show of color on sunny side. Mildly acid and fine for dessert.

***JENNY**—F. A Canada seedling. Fruit, about the size, color and flavor of the well known Northern Spy.

***KIRKBRIDGE WHITE**—S. Fruit medium, oblong, yellow. Flavor mild, sub-acid.

***LINDFIELD**—(See Cut Page 81.) F. Wisconsin seedling. Fruit, very large, yellowish green, striped red on sunny side, resembling Longfield.

**LONGFIELD**—F. Fruit medium to large, yellowish green, with red stripes and a decided blush on the sunny side. Rich sub-acid flavor.

**LOU**—F. A Minnesota seedling of the Duchess. Fruit greenish yellow, striped with red. Finest quality.

***MALINDA**—W. This is an exceedingly hardy variety, one of the very best in the entire list for the Northwest as well as for all other sections of the country. The tree is a strong, symmetrical grower, one of the prettiest in our nursery. Fruit of medium size, lemon yellow with crimson blush, fine grained, sweet and solid.

**OCTOBER**—F. Minnesota seedling from crab seed. Fruit very large, red, with a clear acid flavor.

***OELFKA**—F. Wisconsin seedling. Fruit of medium size, bright red and excellent quality.

***OKABENA**—W. A seedling of the Wealthy fertilized by Duchess. Fruit of the size, shape and flavor of Duchess. Color a little darker than that variety.

**PERFECTION**—F. A Wisconsin seedling of Tetofsky Fruit of good size, handsomely striped and splashed crimson on pale yellow.

BERLIN. 1-3 Natural Size.

**REPKA MALENKA**—Fruit of medium size, yellow and of excellent quality

***ROSE**—F. Wisconsin seedling of Duchess Fruit is dark rose, mottled red, of fine flavor and elegant for cooking.

***SHEATTEAL**—S. A chance seedling of the Duchess. Fruit of large size, flattened some at the ends, greenish red, striped and splashed like Duchess, but one-half larger.

**SNYDER**—F. Fruit of medium size, red, pleasant acid flavor, ripening from October to December.

**VETERAN**—W. Wisconsin seedling. The fruit is long, conical, yellow, resembling the Bellefleur.

**WISCONSIN RUSSETT**—W. Fruit of good size, small core, excellent flavor, and a true Russett skin.

**YELLOW TRANSPARENT**—F. An excellent variety for home or market. It ripens late in August lasting well until October. The tree is a most beautiful grower, vigorous and very productive. The fruit is of medium size, slightly conical, pale yellow flesh, tender, juicy, sprightly, sub-acid, good for cooking or for table use.

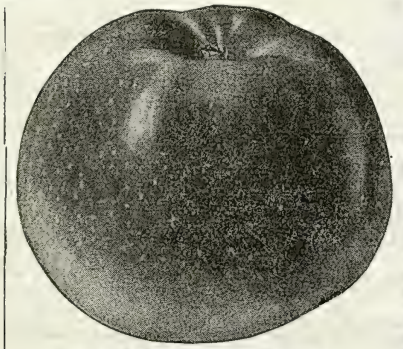
## FARMER'S FAVORITE ORCHARD.

**100 Trees for $32.50.**

**10 Summer Apples—Extra heavy, 5 to 7 feet.**
**15 Fall Apples—Extra heavy, 5 to 7 feet.**
**30 Winter Apples—Extra heavy, 5 to 7 feet.**
**10 Crab Apples—Extra heavy, 5 to 7 feet.**
**10 Sour Cherries—First class, 5 to 6 feet.**
**5 Sweet Cherries—First class, 5 to 6 feet.**
**15 Plums—First class, 5 to 7 feet.**
**3 Rocky Mountain Cherries—2 to 3 feet.**
**2 Compass Cherries—4 to 5 feet.**

**This collection is just right for a two acre track.** The varieties will be selected from our Iron clad lists, perfectly hardy and well adapted to the section where they are shipped. Choice fruiting sorts in every particular. An orchard like this will yield fine crops of fruit for home use, as well as for the market, and will pay for itself inside of three years and annually thereafter. After five years **$100 per acre** is a modest estimate of the income from such an orchard besides what a large family will consume. If you have a growing family, if you wish to save doctors bills, if you desire choice fruit at all times, if you wish to make a **permanent investment** that will furnish you an income each year, plant our Farmers Favorite Orchard.

**One orchard, $32.50; two orchards, $60.00; one-half orchard, $17.50; one-quarter orchard, $10.00.**



BISMARCK, 1-3 NATURAL SIZE.

**BISMARCK.**—This most valuable variety was introduced a few years since from New Zealand and promises to take a most prominent place with the fruit growers of America. It has been thoroughly tested in Russia, Germany, France, England, United States and Canada, and wherever grown has proven to be a most valuable aquisition to the list of choice, select varieties. It is valuable alike for its hardiness and early fruiting, as well as for the high quality of its fruit. **The tree bears when only one or two years old and fruits regularly every year thereafter.** It has been grown very largely as a pot plant for table decoration and is most unique and beautiful with its rich golden yellow fruit and dark green foliage. The apples are of the largest size and of most distinct and delicious flavor.

**MAILING SIZE.**—25c each, $2.50 per doz., postpaid.
**SECOND SIZE.**—3 to 5 ft., 25c each, $2.50 per doz. by express.
**EXTRA HEAVY.**—5 to 7 ft., 50c each, $5.00 per doz., by express.

BISMARCK 3 YEARS OLD.

# CRAB APPLES.

**MAILING SIZE, 25c each, $2.50 per doz. postpaid. SECOND SIZE, 4 to 5 ft., 25c each, $2.50 per dozen by express. EXTRA HEAVY, 5 to 7 ft., 35c each, $3.50 per doz.**

These are valuable on account of their extreme hardiness, their early fruiting, their great productiveness and their fine acid fruit which is extensively used for jelly, preserves, marmalades, etc. Many of them begin bearing the second year after planting and bear large crops each year thereafter.

**EARLY STRAWBERRY.**—Tree a vigorous, upright, symmetrical grower and very hardy. Fruit, size of Transcendent, striped red, crisp and juicy. Fine for eating and for jelly.

**GEN. GRANT.**—Fruit of largest size, bright red, acid, making the finest jelly. Flesh white, fine grained, mild sub acid. Ripens in October.

**HYSLOP.**—Large deep crimson. One of the most beautiful in the entire list. Flesh yellowish, excellent for cider and fine for market.

**MARENGO.**—Of large size, bright red on yellow ground. Flesh crisp; acid flavor; fine for jellies.

**QUAKER BEAUTY.**—A hardy, strong growing sort, which bears large crops of fine fruit. Considered by many large growers one of the best. Medium to large, yellow with red cheek.

**RED SIBERIAN.**—About an inch in diameter, grown in clusters. Bears when very young and abundantly afterward. Color, yellow with bright scarlet cheek. Crisp and acid.

**SYLVAN SWEET.**—Fruit, large pale yellow, with rich blush. Flesh white and tender.

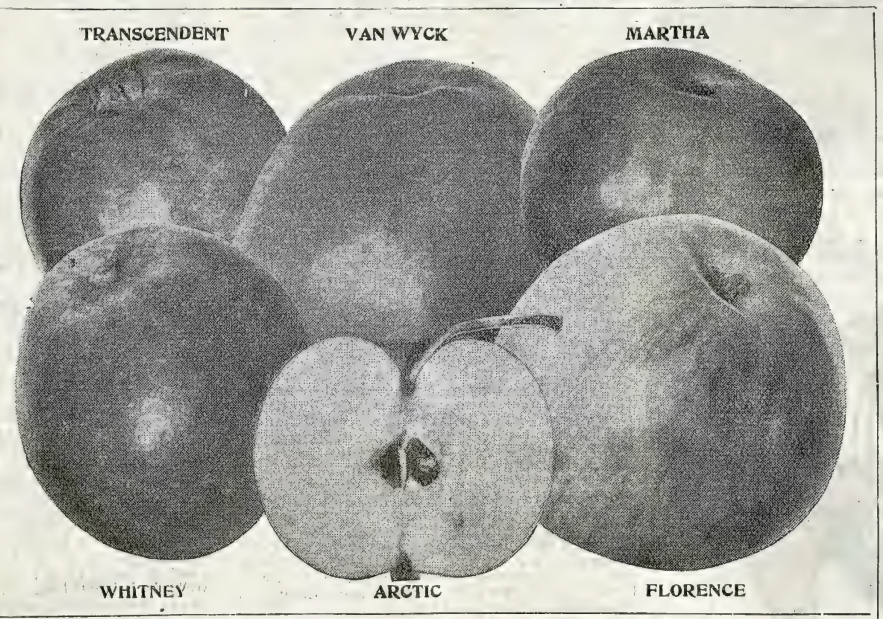
**VIRGINIA.**—Small, round, dull red, dotted white. Fine for cider.

**YELLOW SIBERIAN.**—Small, bright orange yellow.

**TRANSCENDENT.** — Tree immensely productive, bearing after second year, and producing good crops by the fourth season. Fruit from one and a half to two inches in diameter, being large enough to quarter and core for preserving and drying. Excellent for sauce and pies, both green and dried. The best of its class for cider. Skin yellow, striped with red.

**WHITNEY** — Extra large; skin smooth, glossy green, striped and splashed with carmine. Flesh firm, juicy and rich.

**FLORENCE.** — This grand Minnesota variety is a most valuable addition to the list. Fruit medium to large, light yellow, heavily streaked and splashed with bright red. For jelly, as a dessert fruit, for marmalade and jams, it is extra fine, while its large size and superb appearance always command the highest market price.




THE CAPITAL CRAB COLLECTION.

**VAN WYCK.**— Fruit, very large, yellowish white, sweet and tender. One of the finest dessert fruits imaginable, and most excellent for preserves. Tree a vigorous grower and perfectly hardy.

**ARCTIC.**—This splendid variety is so perfectly hardy, such a vigorous grower, and so immensely productive that every planter should include it in his collection. Fruit medium to large size, acid, crisp and juicy.

**MARTHA.**— This superb sort is a seedling from the Duchess of Oldenburg, introduced several years since by Peter Gideon of Excelsior, this state. The tree is a firm, stiff, upright grower, of pyramidal form and most handsome. A great bearer of the most beautiful fruit we ever saw. Beautiful glossy yellow, shaded bright red. Mild, clear tart flavor, surpassing all other crabs for culinary purposes.

## PLANT A CRAB ORCHARD AND REAP A RICH HARVEST. MORE PROFITABLE THAN WHEAT OR OATS.

**A capital investment** for thrifty farmers and fruit growers. They bear early, grow into money while you sleep, and in four or five years return your investment a hundred fold. There are splendid opportunities awaiting the man who makes a business of growing crab apples.

| | | | |
|---|---|---|---|
| 1 ARCTIC. | 1 TRANSCENDENT. | **These Six choice sorts for $1.25 postpaid.** | 100 Trees 4 to 5 feet for $18.00. |
| 1 FLORENCE. | 1 VAN WYCK. | **Six, second size, 4 to 5 feet, for $1.25, by express.** | 100 Trees 5 to 7 feet for $25.00. |
| 1 MARTHA. | 1 WHITNEY. | **Six extra heavy, 5 to 7 feet, for $1.75.** | |

# General List of Well-known Varieties of Apples.

**Extra Heavy, Five to Seven Feet Trees 30c Each, $3.00 Per Dozen. $22.50 per 100. Prices per 1000 quoted on application**

We can supply the following list of well-known apples in the largest size only. Only those marked with a star are recommended for the North and Northwest, the others being valuable for the Eastern, Southern and Middle States.

| | |
|---|---|
| ***Alexander**, large red. | **Mann**, yellow shaded red. |
| **Baldwin**, large, late. | ***McIntosh Red**, choice. |
| **Ben Davis**, large, striped. | **Northern Spy**, striped red. |
| **Bellefleur**, rich yellow. | ***Pewaukee**, yellow, red. |
| **Early Harvest**, yellow. | **Rawles Janet**, late. |
| **Early Strawberry**, red. | **Red Astrachan**, early. |
| **Fall Pippin**, large yellow. | **R. I. Greening**, large. |
| **Fameuse**, deep crimson. | **Roxbury Russett**, choice. |
| **Gano**, late, deep red. | **Sweet Bough**, very early. |
| ***Golden Russett**, late. | **Talman Sweet**, winter. |
| **Golden Sweet**, early. | ***Tetofsky**, small summer. |
| **Grimes Golden**, showy. | **Twenty Ounce**, large. |
| **King**, extra large, fall. | **Wagener**, deep red. |
| **Maidens Blush**, fall.* | ***Walbridge**, striped. |

YELLOW TRANSPARENT

## Garden Fruit Collection.

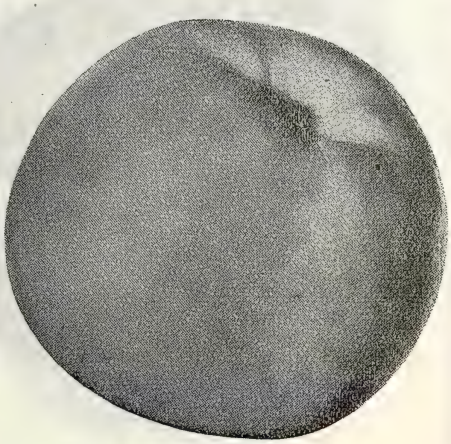
**12 CHOICE TREES** for city people who wish good fruit from their own garden.

**Everyone who owns a garden should plant this collection. The expense is small, the care and attention required to grow them only a pleasure, while the returns on your investment are just as certain and larger than government bonds.**

| | |
|---|---|
| 1 Berlin Apple. | 1 Early Strawberry Crab. |
| 1 Duchess Apple. | 1 Martha Crab. |
| 1 Hibernal Apple. | 1 Ostheime Cherry. |
| 1 Longfield Apple. | 1 Valdimir Cherry. |
| 1 Scotts Winter—See p. 8. | 1 Forest Garden Plum. |
| 1 Peerless Apple. | 1 Hammer Plum. |

Extra Heavy Trees, 5 to 7 ft.

**1 COLLECTION $4.00. 2 COLLECTIONS $7.50.**



LINDFIELD

# CHERRIES.

**FIRST SIZE, 3 to 4 ft. 30c each, $3.00 per doz. EXTRA HEAVY, 5 to 6 ft. 50c each, $5.00 per doz.**

These require a dry soil, being naturally hardy and thrive in the lightest soil or driest location. We offer this season for the first time some new Russian varieties, which have been thoroughly tested at the state experimental farm as well as on our own grounds, found perfectly hardy, produce the finest fruit and are considered the best sorts ever introduced. The Heart or Big arreau varieties (marked B) are of rapid growth, with large glossy leaves, forming fine, pyramidal-shaped heads, and producing large crops of luscious fruit. They are well adapted for street or lawn planting for shade trees. The Dukes and Morellos generally produce acid fruit, do not attain so large a size, are generally hardier and the fruit better adapted for shipping purposes.

LUTOVKA, 1-2 Natural Size.

**Lutovka.** A Russian variety of the Morello type. Tree an exceedingly vigorous grower, very productive. Fruit of large size, nearly round, red; flesh, firm, good quality, sprightly acid. It clings very tenaciously to the stem. Color and size of the well known English Morello.

**LATE RICHMOND.**—A fine old variety resembling Early Richmond in shape and color, but ripening about 3 weeks later.

**MONTMORENCY.**—Tree very hardy and an immense bearer; commences to fruit while young, and is loaded annually thereafter with fine crops. Fruit very large, fine flavor and of bright, clear, shining red; valuable everywhere; a week later than Early Richmond. The finest acid cherry. We cannot recommend this fine old variety too highly for we believe it is one of the best, if not the very best ever introduced.

**OREL NO. 24.**—Russian. Fruit medium to large; round, slightly flattened, light red, ripening with Lutovka. Of juicy, mildly acid, good flavor.

**Olivet.** This variety promises to be of the greatest value. Differing from nearly all other sorts, it is a very shining deep red, and continues fruiting through most of June and July without losing its quality. Fruit large; flesh red, with rose-colored juice, tender, rich and vinous, with mild, sub-acid flavor. As fertile and productive as the best of the Duke sorts, and probably the largest of this class.

VALDIMIR, 1-2 Natural Size.

**Ostheim.** This is a very hardy, productive variety. It has been thoroughly tested in our severest winters and found perfectly hardy. The fruit is large, roundish; flesh liver color, tender, juicy, sub-acid, very good.

**ROCKY MOUNTAIN.**—(See page 86 )

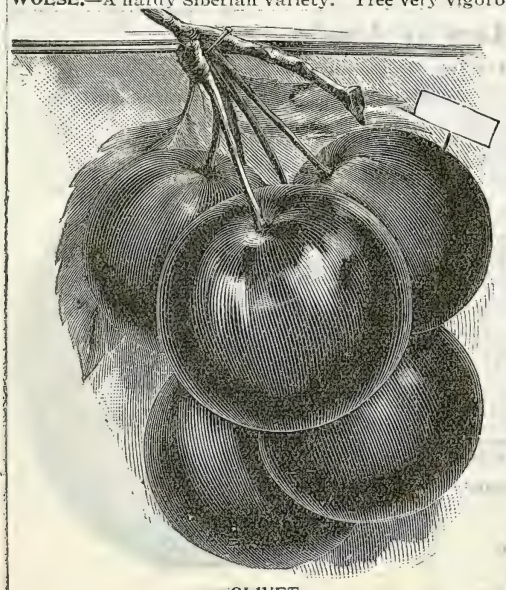
**SKLANKA.**—Of Russian origin. An early ripening variety. Fruit, large, light red, usually with white or yellow on shaded side. Flesh, firm, juicy, sub-acid, nearly sweet when fully ripe.

**ST. PETERSBURG.**—A most excellent variety from the land of the Czar. Tree strong, hardy, vigorous and productive. Fruit large, round, deep red, firm and delicious. Succeeds best on poor soils.

**Vladimir.** Another Russian variety of iron-clad constitution. It comes from a district about 100 miles east of Moscow, where immense tracts are planted with it, and train loads of fruit are annually sent to all parts of Russia. The fruit is as large or larger than the Early Richmond, with a very small pit. It is black in color with very highly colored juice; quite firm flesh of most delicious quality. We consider it the most valuable acquisition in the cherry line ever introduced.

**WRAGG.**—Very hardy, vigorous and productive. Fruit of medium size, dark purple, and of finest quality.

**WOESE.**—A hardy Siberian variety. Tree very vigorous in growth, and fruitful. Quality the best, ripening with Vladimir.



OLIVET.

**BESSARABIAN.**—A new Russian sort. Tree very hardy in the far north. Bears most regularly on thin, poor soils where it makes less growth of tree. Fruit medium to large, clear red, mildly acid, meaty and good. A valuable addition to our list of hardy sorts.

**COMPASS.**—(See page 86.)

**EARLY RICHMOND.**—Dark red, melting, juicy, sprightly acid. Tree a good grower with roundish, spreading head and very productive. Ripens early and is considered one of the best in cultivation.

**GEO. GLASS.**—This comes from Silesia, which insures its hardiness. Tree a handsome grower. Fruit medium to large, round, heart-shaped, somewhat flattened at ends. Color dark red; flesh meaty, juicy, mildly acid.

**JUNE MORELLO.**—A Russian variety. Tree hardy and fruitful. Fruit, large, scarlet red, ripening with the Early Richmond. Flesh, meaty, juicy, sub-acid and good.

**LITHAUER WEISCHEL.**—From Russia. Fruit, small, round, dark red. Flesh, purple, meaty and pleasantly acid. Much used in Eastern Europe for cherry wine as it is well stored with sugar.

**LOUIS PHILLIPPE.**—Large, dark red, almost black, sprightly, mild, acid, stone small.

## Standard Sorts.

In addition to the foregoing we can supply the following list of well known sorts in **5 to 6 feet trees only.**

**BLACK EAGLE.**—B—Large, black, tender, rich and juicy.

**BLACK TARTARIAN.**—B—Very large, purplish black.

**ENGLISH MORELLO.**—B-Blackish red, rich, acid.

**GOV. WOOD.**—B—Clear light red, tender and delicious.

**MAY DUKE.**—Large, dark red, juicy, nearly sweet.

**NAPOLEON.**—B—Large pale yellow with a red cheek.

**SCHMIDTS.**—B—Very large, rich deep black.

**WINDSOR.**—B—Largest size, liver colored.

**YELLOW SPANISH.**—B—Large pale yellow with red cheek.

# QUINCES.

**FIRST CLASS, 4 to 5 ft., 40c ea., $4.00 per doz.**

This fruit is much sought after for making jellies and for canning for winter use. The tree is hardy and compact in growth, comes into bearing early and produces regular and abundant crops. It flourishes in any good garden soil, which should be kept mellow and well enriched. Prune off all the dead and surplus branches and thin out the fruit if bearing too freely.

**BOURGEAT.**—A golden prolific variety of great merit. The tree is a remarkably strong grower, yields immense crops of the largest size, round, rich golden color; smooth skinned and very tender when cooked.

**CHAMPION.**—A prolific and constant bearer; fruit larger than the Orange; quality as good and a longer keeper.

**MEECH'S PROLIFIC.**—Very productive and vigorous, fruiting when very young. Fruit large, yellow and showy. Flavor unsurpassed.

**ORANGE.**—Large, roundish, bright golden yellow; cooks tender and is of excellent flavor. Very productive.

# PEARS.

**STANDARDS, 5 to 7 ft. 40c each, $4.00 per doz.**
**DWARFS, 4 to 5 ft. 30c each, $3.00 per doz.**

The growing of this valuable fruit for both home and market purposes cannot be too strongly urged. It far exceeds the apple in its melting, juicy texture, rich refined flavor, and the range of varieties is such that by a judicious selection, the ripening season beginning in July can be continued in succession into winter. We can supply the following well known kinds.

**Bartlett. Beurre Clairgeau. Beurre De Anjou. Clapps Favorite. Duchess De Angjouleme. Flemish Beauty. Garber. Keifer. Koonce Lincoln Coreless. Seckel. Wilder. Worden-Seckel.**

OSTHEIM, 1-2 Natural Size.

# PLUMS.

No class of fruit is more universally popular than this, and none yields more readily to care and cultivation, producing large crops of the most luscious fruit imaginable. A rich, strong soil best suits the Plum. Good cultivation and regular fertilizing are very essential to their highest development. The native varieties are perfectly hardy everywhere and annually produce large crops of fruit, which is very desirable for preserves. All our Plums are budded on hardy Myrobolan and Native plum stocks, thus insuring their hardiness and their adaptability to all sections.

## Gopher Plum Collection.

FRIST SIZE, 3 1-2 to 5 ft., 35c each, $3.50 per doz. EXTRA HEAVY, 5 to 7 ft. 60c, each, $6.00 per doz. COLLECTION OF 4 FIRST SIZE for $1.25. EXTRA HEAVY $2.00

**Cheney.** A native variety of unusual excellence. The tree is sturdy, of excellent form and habit, and as hardy as the native oak. Fruit averages quite large and of finest quality. Flesh very firm, rendering it exceedingly valuable for shipping purposes.

**Milton.** Another native variety of unusual merit, which we cousider a decided aquisition. Fruit is extra large, roundish oblong, dark red, skin thin, flesh firm and of excellent quality; the earliest variety in cultivation.

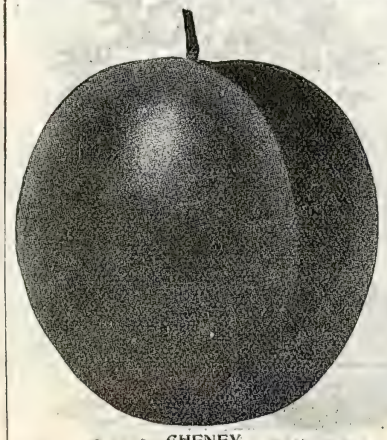
**Stoddard.** One of the largest native plums. It is of a light pinkish-red color, very handsome, with a tough, sweet skin, and of most delicious quality.

**Surprise.** The tree is a clean, strong, upright grower, withstanding our severest winters without injury. The fruit is of large size, fine red color and good keeping qualities. The flesh is of finest flavor and very firm.

## General List of Native Sorts

FIRST SIZE, 3½ to 5 ft. 30c each, $3.00 per doz. EXTRA HEAVY, 5 to 7 ft. 50c each, $5.00 per doz.

**AMERICAN EAGLE.**—Dark purplish red, of large oblong shape. Tree vigorous, healthy and productive.
**BLACKHAWK.**—Large, oblong, purplish red. Vigorous and productive.
**COTTRELL.**—Medium size, red.
**DE SOTO.**—Medium size, dappled red and yellow. Flesh firm, sweet and juicy. Tree very hardy and productive. One of the very best for general planting for market purposes.
**DOWNING.**—Large, globular, red. Tree symmetrical and productive.
**ETTA.**—Large, round, red on yellow ground. Tree of fine form and very productive.
**FOREST GARDEN.**—Very large, round, mottled red and yellow, juicy, sweet and rich. The tree is clean, healthy, strong, vigorous and productive.
**HAWKEYE.**—Tree hardy, thrifty and an annual bearer. Fruit large, color light, mottled red; of superior quality, very firm and an excellent shipper.
**HAMMER.**—Of large size, firm, juicy and delicious. Tree a good, strong grower.
**KLONDIKE.**—Of medium size, roundish oval, yellow, shaded red. Flesh, very juicy, pleasant, sub-acid and good.
**NEW ULM.**—A Minnesota variety, said to be very hardy, vigorous and productive. Fruit of medium size, firm, juicy and pleasant.



CHENEY.

**OCHEEDA.**—Medium size, round, red. Flesh firm, sweet and juicy.
**PRAIRIE FLOWER.**—Similar to the Miner in size, form and color. Flesh firm and juicy.
**QUAKER.**—A large, round variety of unsurpassed excellence. Fruit, purplish red, with yellow dots and blue bloom.
**ROCKFORD.**—Medium size, reddish purple.
**ROLLINGSTONE.**—Fruit of medium size, round, firm flesh. Fine for dessert use. A heavy and continuous bearer when the tree attains some size.
**WEAVER.**—Originated in Iowa. Tree very hardy, thrifty and prolific. Fruit large, purple, of good quality.
**WYANT.**—Large, roundish oblong, sometimes slightly flattened. Color deep purplish red. Very thrifty, clean, healthy and productive.

## General List of Japan or Oriental Sorts.

**These we can supply in the largest size only.**

EXTRA HEAVY, 5 to 7 ft. 50c, each, $5.00 per doz.

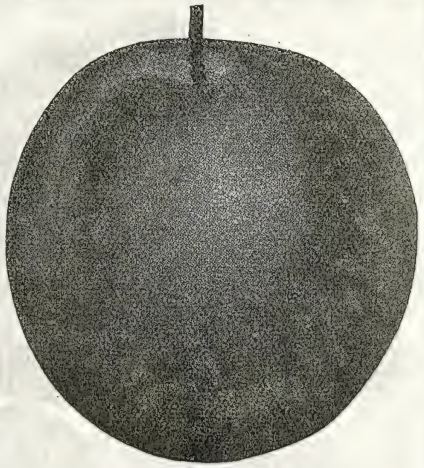
**ABUNDANCE.**—Large yellowish red. Choice.
**BURBANK.**—Very large, dark red. Very fine.
**SIMONI.**—Apricot Plum. Fruit bright red.
**SATSUMA.**—Large, pointed blood plum.
**WICKSON.**—Large, dark red, bluish bloom.
**WILLARD.**—Medium, claret red. Delicious.

## General List of European Varieties.

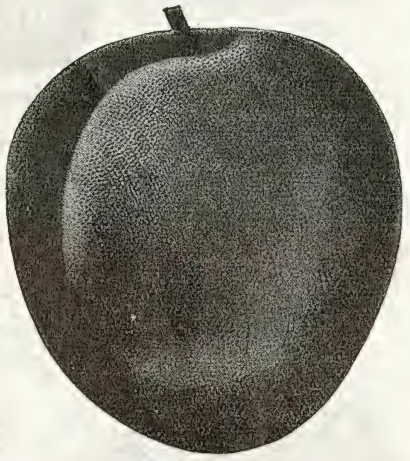
**One size only.**

EXTRA HEAVY, 5 to 7 ft. 50c each, $5.00 per doz.

**BRADSHAW.**—Large, dark violet red. Fine.
**DAMSON.**—Small purple fruit, blue bloom.
**GERMAN PRUNE.**—Large, long, dark purple.
**GRAND DUKE.**—Very large dark blue.
**GREEN GAGE.**—Small, round, yellowish green.
**LOMBARD.**—Medium size, purplish red.
**MOORE'S ARCTIC.**—Small, purplish black.
**PEACH.**—Large, brownish red, choice quality.
**PURPLE EGG.**—Very large, purplish blue.
**SHIPPER'S PRIDE.**—Large, dark purple.
**YELLOW EGG.**—Very large, yellow, finest.



SURPRISE.



STODDARD.

# PEACHES.

WE OFFER ONE SIZE ONLY, 4 to 5 ft., 25c each, $2.50 per doz., $15.00 per 100.

The Peach Tree requries a well drained, moderately rich soil—warm, sandy loam is probably the best. Our trees are all grown from Tennessee natural pits, free from insects, perfectly healthy, well ripened wood with splendid roots, stored in frost-proof cellars beyond injury during the winter.

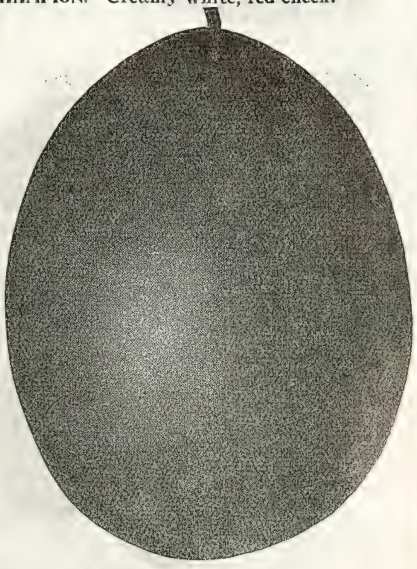
**ALEXANDER.**—Greenish white, splashed.
**BEER'S SMOCK.**—Large, yellow flesh.
**CRAWFORD'S EARLY.**—Large yellow.
**CRAWFORD'S LATE.**—A superb variety.
**CROSBY.**—Medium size, bright yellow.
**EARLY CANADA.**—Large, dark red.
**ELBERTA.**—Yellow with red cheek.
**FOSTER.**—Large, bright yellow. Best quality.
**FITZGERALD.**—Large, yellow and crimson.
**GOLDEN DROP.**—Yellow, blush cheek.
**HEATH CLING.**—Firm, juicy and melting.
**HILL'S CHILLI.**—Dull yellow. Very prolific.
**HONEST JOHN.**—Large yellow, early.
**MOUNTAIN ROSE.**—Large, rich red.
**NEW PROLIFIC.**—An excellent shipper.
**OLD MIXON FREE.**—White and red. Large.
**OLD MIXON CLING.**—White with red cheek.
**SALWAY.**—Large, rich yellow, brown cheek.
**SNOW'S ORANGE.**—Ripens in September.
**STEVENS' RARERIPE.**—Large, bright red.
**STUMP THE WORLD.**—White, with red cheek.
**TRIUMPH.**—Yellow, with red cheek.
**WHEATLAND.**—Large, golden yellow.
**CHAIR'S CHOICE.**—Yellow, red cheek.
**CHAMPION.**—Creamy white, red cheek.

# APRICOTS.

**First Class, 4 to 5 ft., 30c each, $3.00 per doz.**
**ALEXANDER.**—Very hardy. Immense bearer.
**ALEXIS.**—Yellow, red cheek. Perfectly hardy.
**BUDD.**—White, red cheek. Strong grower.
**HARRIS.**—Oval, bright yellow, red cheek.
**MOORPARK.**—Yellow, with red cheek.
**RUSSIAN.**—Extremely hardy. Fine fruit.

# NECTARINES.

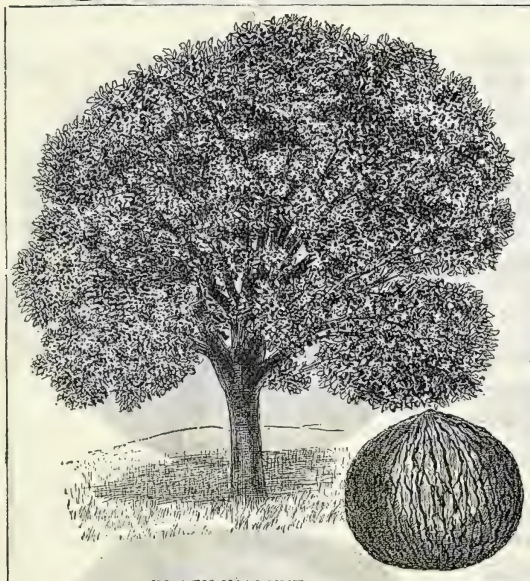
**First Class, 4 to 5 ft. 30c each, $3.00 per doz.**
**BOSTON.**—Fruit, large, deep yellow, delicious. Very hardy and productive.
**DOWNTON.**—Large, pale greenish yellow, of the very best quality.



MILTON.

# NUT BEARING TREES.

Nut culture is an industry that, until recently, ha received but little attention by American planters Probably no branch of tree cultivation pays larger profits or offers better inducements to planters than this, while most kinds are growing into valuable timber trees that will of themselves pay large dividends on the investment.



BLACK WALNUT.

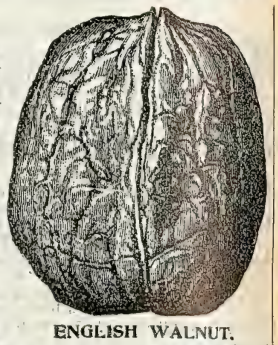
## Chestnuts

These are valuable for their large crops of choice nuts, while most varieties furnish fine lumber for furniture, etc. When once started they grow rapidly and attain a large size in a few years.

**AMERICAN SWEET**—(See Cut on opposite page.) One of the finest and sweetest nuts grown. The timber is very durable and possesses a fine grain for oil finish. **4 to 5 feet, 40c each, $4.00 per dozen. 5 to 6 feet, 60c each, $6.00 per dozen.**

**MAMMOTH JAPAN**—(See Cut.) One of the most vigorous, hardy growers we have ever known. It is quite distinct from the European varieties, having a long, narrow, peach-like, dark green leaf, and forming a very handsome, ornamental lawn tree. It comes into bearing at a very early age, producing nuts of enormous size, measuring 4 to 6 inches in circumference and 3 to 7 in a burr. Its early bearing and great productiveness render it especially desirable for the home grounds, and likewise valuable to grow for profit. **Mailing size 25c each postpaid, 3 to 4 feet trees, 50c each, $5.00 per dozen.**

**SPANISH**—(See Cut.) A handsome, round headed, stately tree of rapid growth, producing fine, large nuts in great abundance. A most valuable tree for avenue, park or roadside planting. **First class, 4 to 5 feet, 50c each, $5.00 per dozen.**



ENGLISH WALNUT.

## Filberts or Hazelnuts.

These are all of easy culture. They are of dwarf habit, entirely hardy, abundant yielders come into bearing early and are among the most satisfactory nuts to grow for profit or pleasure.

**COSFORD**—A thin shelled variety of fine, sweet quality, and handsome appearance. **First Class, 2 to 3 feet, 50c each, $5.00 per dozen.**

**ENGLISH**—(See Cut Opp. Pg.) Nuts nearly round, rich and of excellent flavor. **First Class, 2 to 3 feet, 40c each, $4.00 per dozen.**

**KENTISH COB**—(See Cut on opposite page.) One of the very largest and finest of the English varieties. Nut, oblong and very meaty. **First Class, 2 to 3 feet, 50c each, $5.00 per dozen.**

JAPAN WALNUT.

## Walnuts.

**BLACK**—(See Cut.) The well known native sort with the most valuable wood of any. The tree grows to an immense size, furnishing an abundance of shade, while for lumber for furniture, its value is greater than almost any other variety. The large crops of nuts borne each season always command a good price in the market and are most excellent for home consumption. **Mailing size, 20c each, 3 for 50c postpaid. First Class, 5 to 6 feet, 75c each, $7.50 per dozen.**

**BUTTERNUT OR WHITE WALNUT**—(See Cut.) Perfectly hardy everywhere, well known and most popular. The nuts are longer than the Black Walnut, and the kernels sweeter and of more delicate flavor. Tree of lofty, spreading growth, furnishing valuable timber. **Mailing size, 15c each, 2 for 25c postpaid. Strong 2 to 3 feet, 25c each, $2.50 per dozen by express. Extra Heavy, 5 to 6 feet, 60c each, $6.00 per dozen.**

BUTTERNUT.

**ENGLISH**—(See Cut.) It produces immense crops of thin shelled nuts of most exellent quality. In their green state the nuts are highly prized for pickling. **First Class, 75c each, $7.50 per dozen.**

**JAPANESE SIEBOLDI** — This came from Northern Japan and is as hardy as an oak. Nuts of delicious quality grow in clusters of fifteen to twenty. **First Class, 3 to 4 feet. 50c each, $5.00 per dozen.**

**Hickory.** — SHELL BARK — The wood is highly prized for making agricultural implements. Nuts of finest quality. **First Class, 50c each.**

RUSSIAN MULBERRY.

SPANISH CHESTNUT.

## Our Wonderful Fruit Offer

On inside back cover, consists of the following choice varieties and is within the reach of everybody who wishes a collection of the choicest fruit for the home garden.

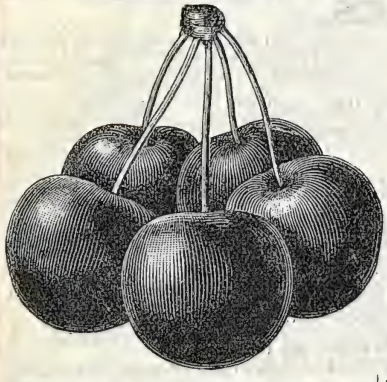
| | |
|---|---|
| 3 Rocky Mountain Cherries | 50c |
| 6 Mayfield Prize Raspberries | 50c |
| 6 King Raspberries | 50c |
| 2 Cambridge Grapes | 25c |
| 1 White Diamond " | 20c |
| | $1 95 |

**Sent prepaid to any address in the U. S. for.....$1.50**
**3 collections, frt. or exp., at customer's expense 4.00**

## Improved Russian Mulberry.

(See Cut.) **An ornamental, hardy, fruit-bearing tree for America. Suitable for all sections of this country. Fruit larger than blackberries and of delicious flavor.** This valuable fruit and ornamental tree was brought to this country from Western Russia by the Mennonites. The tree is a very rapid grower. It grows to be very large, often reaching the height of fifty feet, and from three to five feet in diameter, and is perfectly hardy. It commences to bear when only two years old, and is a prolific bearer, the fruit being larger than the average blackberry. The fruit has a fine aromatic flavor, and sub-acid sweet taste, and is used for dessert as we use blackberries or raspberries. A beautiful quick growing tree for the lawn, while the fruit is valuable for table use. In all our experience we have found no fruit so admirably adapted to all parts of the West and Northwest. **Mailing size, 15c each, $1.50 per dozen postpaid. Second Class, 3 to 4 feet, 20c each, $2.00 per dozen. First Class, 4 to 5 feet, 25c each, $2.50 per dozen.**

MAMMOTH JAPAN CHESTNUT.



## The Compass Cherry.

**Absolutely hardy everywhere.**

Originator's description: This cherry was originated at Springfield, Minn. It is a cross between the Sand Cherry and the Miner Plum. Nearly an inch in diameter, a bright red, sweet and juicy and of very fine flavor. The tree is absolutely hardy in this severe climate. The original tree bore fruit the third year from the seed, and has borne a full crop every year since. The tree is a regular and heavy bearer, and produces fruit the next year after setting out. For exposed situations and for the north and west it is the cherry. **4 to 6 ft. trees, 75c each.**

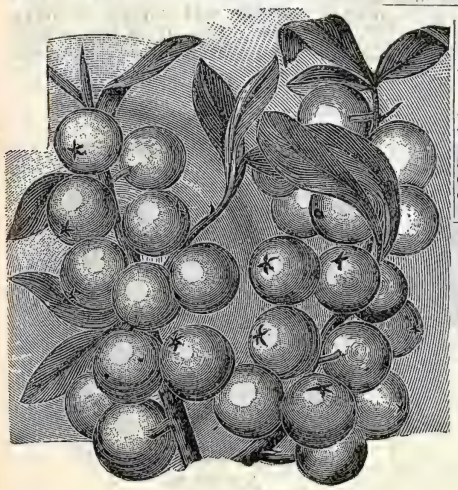
## Eleagnus Longipes.

**Japanese Olive.**

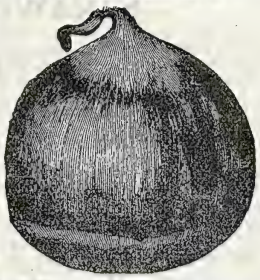
It forms a beautiful shrub of dwarf, compact growth, about 5 or 6 feet in height, with attractive foliage, bright green above and silvery white beneath. It blossoms very abundantly in May, the pale yellow flowers hanging in wreaths along the branches. These are followed by the brilliant scarlet berries, which are olive shaped, about the size of large currants, and ripen in July. It has an excellent flavor, being rich, juicy and sprightly, and is fine for preserves, jelly, etc. The bush is extremely hardy, withstanding drouth, heat and cold remarkably well. In winter the reddish brown bark renders the plant exceedingly attractive. **Mailing size, 15c each, $1.50 per doz., postpaid. First class, 25c each, $2 50, per doz**

## Buffalo Berry.

A hardy fruit, discovered on the banks of the Missouri in the Dakotas It is a handsome shrub, as well as a splendid fruit, growing to a height of from 8 to 12 ft. The fruit is borne in great bunches, resembling a great cluster of currants, and for making preserves, jellies, pies, etc., nothing can surpass it. **15c each, $1.50 per doz. postpaid.**



BUFFALO BERRY.



AMERICAN SWEET CHESTNUT.
(For description see opposite page.)

## Rocky Mountain Cherry.

**A fruit for all people and all sections. Certainly the greatest novelty in the fruit line ever introduced. It bears every year, and is as prolific as a currant bush, 16 quarts having been picked from a three year old tree. Grows to a height of 4 feet, and has never been affected by insects, black knot or other disease.** The fruit is a rich red and changes to almost black when ripe, of good size, fine flavor and unsurpassed for preserves, or eating from the hand; season of ripening being after all others are gone. In flavor it is akin to the sweet cherries, and, has no equal in the line of pitted fruits, and is conceded superior to any fruit grown in this section. It has the best system of roots of any shrub or tree we have ever planted, which accounts for the wonderful productiveness of plants at such an early age. **Mailing size, 20c each, 3 for 50c, postpaid; First Class, 2 to 3 feet, 20c each, $2.00 per doz. Extra Heavy, 3 to 4 ft., 35c each, $3.50 per doz.**

ROCKY MOUNTAIN CHERRY.

## Cranberry High Bush.

This is a most ornamental plant, the foliage being very dense, dark green. The flowers, which are pure white, hang in large clusters and are followed by beautiful, showy red berries that remain on the plant all winter. The fruit is very acid, resembling the common cranberry in flavor and is esteemed by many for jells, pies, etc. **Mailing size, 15c each, $1.50 per doz., postpaid; First Class, 25c each, $2.50 per doz. by express.**

## Russian Olive.

This is a native of the plains of the Northwest. Drouth, heat or cold do not affect it in the least and it continues to grow very vigorously at all times. It has been highly recommended for farm hedges; by cutting back each season it forms a very dense, compact hedge, of most beautiful appearance. The foliage is a silvery white, the flowers small, yellow and produced in greatest profusion. The fruit, which is produced in large quantities, resembles red currants, and remains on the plant a long time before dropping. **Mailing size, 15c each, $1 50 per doz. postpaid.**

ENGLISH FILBERT
(See opposite page.)

## Improved Dwarf Juneberry.

This fruit is a native of Alaska, and therefore of the most iron-clad hardiness. It is a quick grower, forming dense clumps of bushes which bloom and bear heavily when only one or two feet in height. The berries are the size of ordinary cherries, being green in an unripe state, changing to bright scarlet, and, when fully ripe, to a dark purple blue, and as the three colors hang in clusters upon a bush they present a most charming and appetizing sight. After the berry is fully ripe it will keep on the bush in perfect condition for two or three weeks without decaying or dropping. It is exceedingly sweet and has a peculiarly rich and luscious flavor. Aside from its value as a fruit it is one of the most showy flowering shrubs, as it blooms very early in the spring—before leaves start—and every stem and branch of the bush is a solid wreath of delicate feathery whiteness, so numerous are the flowers. **15c each, $1.50 per doz. postpaid**

## Novelty Fruit Collection.

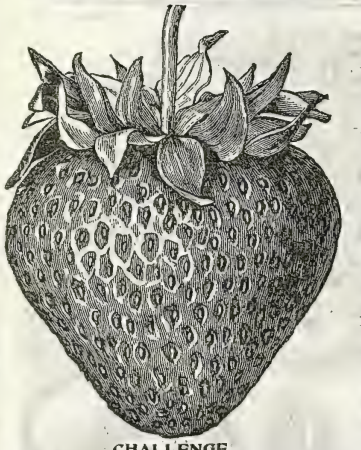
**Containing Ornamental, Fruit Bearing Shrubs and Trees for Lawn or Garden Planting.**

**We offer 8 choice varieties, 7 listed on this page and the Mulberry on Page 84, for $1.00 by express at purchasers expense**

KENTISH COB
FILBERT.
(See opposite page.)

DWARF
JUNE-
BERRY.

# STRAWBERRIES.



CHALLENGE.

These delight in good, rich, moist soil, but will grow on any soil capable of growing good general crops. By planting early, medium and late varieties, the grower is supplied with fruit the entire season. The soil should be thoroughly pulverized and well prepared for planting. As a fertilizer we recommend well rotted barnyard manure as superior to all others.

For field culture plant in rows 3½ feet apart each way, 18 inches apart in the rows. For garden culture 18 inches apart each way leaving a pathway every third row. After the ground is frozen in the fall cover with leaves, straw or litter, which remove in the spring before growth commences.

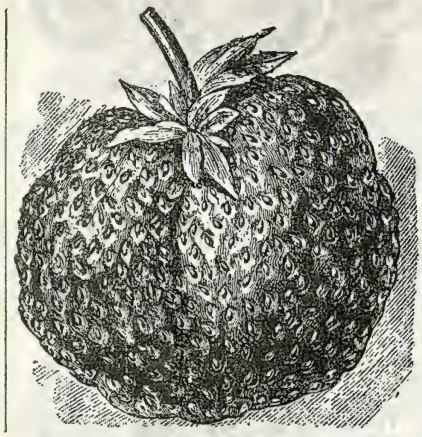
**Mulching** with clean straw will keep the fruit clean and the soil in good condition throughout the fruiting season.

**Perfect and Imperfect Blossoms**—Strawberries are all perfect or imperfect, in other words, male or female. Varieties marked X are imperfect and destitute of pollen and must be planted near perfect flowering varieties or they will be barren of fruit.

**At prices quoted by the dozen we mail plants postpaid.** Plants by the hundred and thousand will be sent by express at purchaser's expense. Add 20c per hundred to prices quoted if wanted by mail. **Unless otherwise noted, 25c per doz., 75c per 100, $5.00 per 1000**

**Challenge.** This is essentially a market berry. It is immensely productive, of the largest size, of good color, quality and appearance, and a splendid shipper. For resisting drouth we believe it has no superior and very few, if any, equals.

It is of fine flavor and color, firm and ships perfectly almost any distance. During the awful drouth of 1901, when all vegetation seemed to dry up in the intense heat, the **Challenge** stood up in fine shape, never drying up in the least **Per doz. 75c, per 100 $4.00.**



ROUGH RIDER.

**CLYDE**—The fruit is large, firm, never varies from its regular conical shape and holds its size to the end of the season.

**CRESCENT SEEDLING**—Medium size, bright scarlet, plant very vigorous and hardy.

**ENHANCE**—Fruit of good size and firm, making it a valuable market and shipping variety.

**Eureka.** In fields where other varieties were totally killed by frost, this sort produced a full crop of good fruit. The fruit is very large, of a bright crimson color, of firm texture and most delicate flavor. It ripens very late and this fact should recommend it for the market.

**GANDY**—Berries bright crimson, very uniform in size and shape, large and firm.

**GLEN MARY**—Berries of largest size, bright red on surface, light red in center, sweet, rich and of good flavor.

**xGREENVILLE**—Berries of large size, good quality and medium texture; color, very even and fine.

**xHAVERLAND**—Berries uniform, long, medium size and fair quality.

**Joe.** The plant is very strong, with beautiful large leaves, perfectly free from rust, and multiplies rapidly. The fruit is very large, bright glossy red clear through, conical in form; is borne well up off the ground on strong fruit stems and is of good quality. Medium to late. **Per doz. 50c, per 100 $2.50.**

**LOVETT**—The fruit is of medium size, bright crimson and of good quality.

**MICHEL'S EARLY**—The earliest sort grown. Fruit small but of delicious flavor.

**NICK OHMER**—The fruit is of the largest size, dark, glossy red, firm and of excellent flavor.

**PARKER EARLE**—Berries, regular, conical, short neck, glossy scarlet-crimson. Season, medium to late.

**RIO**—Early, large, good flavor, a most beautiful fruit in the box.

**Rough Rider.** Enormously productive, hardy and free from disease. Berries very large, roundish, but somewhat flattened and pointed. Color dark red, like Gandy. The finest late strawberry in existence. Our stock is of our own growing, from plants received direct from the introducer last spring. **50c per doz., $2.00 per 100.**

**SPLENDID**—The fruit is of large size, above the average in quality and appearance, very firm and can be shipped long distances.

**xVAN DEMAN**—Fruit of good size, firm and beautiful, valuable as a shipper.

**xWARFIELD**—The fruit is of large size, beautiful appearance, delicious flavor, firm texture, unsurpassed for shipping.

**xWM. BELT**—A very high colored berry, ripening evenly to the tip; extra large in size and pointed in shape.

**WILSON**—The most widely known and universally successful strawberry planted.

# STAWBERRY RASPBERRY, OR TREE STRAWBERRY.

One of the most beautiful fruits ever seen; berries the size and shape of the largest strawberries, bright, rich, shining scarlet, with an exquisite bloom; makes lovely jams, jellies and tarts, having a delicious flavor entirely different from any other fruit; bears the first season, and gets larger and stronger every year. Came from Japan, and tested for five years here; the bush grows from 18 inches to 2 feet high, is entirely hardy and will do well everywhere, regardless of heat or drought. All lovers of fruit should give it a trial. **It will surprise and please you. 15c each, 4 for 50c, 12 for $1.00, postpaid.**

# CHOICE COLLECTIONS.

## CITY GARDEN COLLECTION.

| | |
|---|---|
| 25 Bederwood. | 100 Plants $1.00, Postpaid. |
| 25 Brandy Wine. | |
| 38 Haverland. | |
| 12 Rough Rider. | |

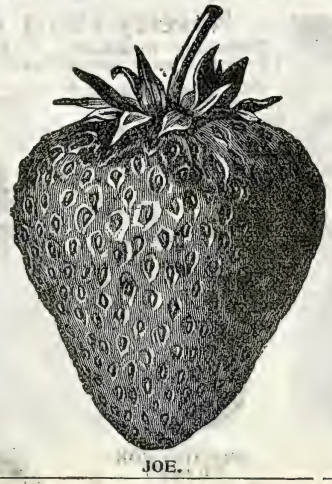
This collection is intended for people with small city lots who wish enough fruit for their own table use during the season. This will produce sufficient fruit through the season for a small family.

## VILLAGE GARDEN COLLECTION.

| | |
|---|---|
| 12 Challenge. | 250 Plants for $2.00 by express at purchasers expense. |
| 13 Joe. | |
| 50 Clyde. | |
| 50 Crescent. | |
| 50 Eureka. | |
| 25 Lovett. | |
| 50 William Belt. | |

This will supply a large family with all the berries they can consume throughout the season.

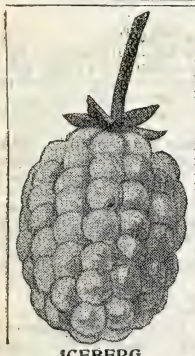
STRAWBERRY RASPBERRY.



JOE.

EUREKA.

# BLACKBERRIES.



ICEBERG.

This excellent and profitable fruit should be planted for garden use in rows 5 to 6 feet apart, with plants 3 to 4 feet apart in rows; for market, in rows from 6 to 7 feet apart, with plants 4 to 5 feet apart in the rows. Give the plants the same cultivation as for raspberries. **Unless otherwise noted, 50c per doz., postpaid; $2.00 per 100 by express or freight.**

**ANCIENT BRITON.**—A perfectly hardy variety, very vigorous and healthy. Bears immense crops of medium size fruit of the most luscious flavor, that bears shipping well and brings the highest market price.

**EARLY HARVEST.**—The earliest ripening variety grown. An enormous bearer, and a good shipper Fruit medium size and of fine quality.

**Eldorado.** This valuable variety is an accidental seedling found in Ohio about 15 years ago. The plants are very vigorous and hardy, enduring the winters of the cold Northwest without the least injury. The berries are very large, jet black, borne in large clusters, ripening well together. They are very sweet, melting and pleasing to the taste, have no hard core, readily selling at from 2 to 4 cents per quart higher than Snyder and other standard sorts. It is a most productive variety and unsurpassed in every particular. **75c per doz. postpaid; $3.00 per 100 by express.**

**ERIE.**—A vigorous, hardy variety, succeeding well everywhere. Foliage clean, healthy and free from rust. Fruit large, nearly round and of fine quality.

**Iceberg.** (See cut.) This is the most wonderful fruit novelty of the century. A magnificent, large white berry, of delicious flavor. The bushes are strong and thrifty, and bear abundantly very early in the season. While we do not recommend this sort for large plantings, its productiveness, fine flavor and most handsome appearance commend it to all who wish a choice fruit for the home garden. **75c per doz, postpaid; $2.50 per 100 by express.**

**MERSEREAU.**—This variety is desirable on account of its large size, extreme hardiness, handsome appearance and delicious quality. It is of largest size, jet black, never turning red when gathered in muggy weather, like many of the older varieties. It has withstood 30 degrees below zero without injury and has never been affected by blight or rust. **75c per doz. postpaid; $3.00 per 100 by express.**

**MINNEWASKI.**—Early, hardy and most productive. Fruit, large, tender, juicy and sweet.

**Rathbun.** A strong, erect grower, branching freely. Will root from tips of branches like a raspberry. It is very hardy, having endured 20 below zero without injury. Forms a compact bush, 4 to 5 ft. high, and is very productive. Fruit is of largest size, sweet and delicious without the hard core so common in most blackberries; jet black, with small seeds and firm enough to handle and ship well. **75c per doz. postpaid; $3.00 per 100 by express.**

**SNYDER.**—Extremely hardy, enormously productive, finest flavor, ripening early.

**Surprise.** This is the hardiest, largest, earliest and most productive variety we have ever seen. The fruit is very large, glossy black, of firm substance, fine flavor and an ideal shipping variety. Desirable for canning and preserving on account of its rich flavor, its fine form, and its coreless nature. This is our own introduction of 3 years ago, and each season strongly confirms our statement above. You will make no mistake in planting May's Surprise. **$1.00 per doz., postpaid; $4.00 per 100 by express.**

LOGAN BERRY.

**STONE'S HARDY.**—Originated in Wisconsin, and is very hardy, sweet, productive, weighing down its strong canes with immense crops of delicious fruit.

**TAYLOR.**—Berries large, of fine flavor; canes of strong growth and hardy.

**WACHUSETT.**—A hardy, vigorous variety, free from thorns, producing fruit of medium size.

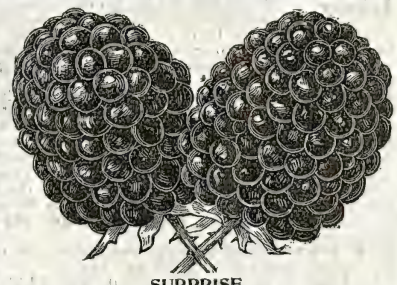
**WILSON'S JR.**—The largest berry ever produced. It is noted for its productiveness. Needs winter protection in the North.

## The New Logan Berry,

**(OR BLACKBERRY RASPBERRY.)** (See cut.) **A wonderful fruit.** This grand new berry has been tested here for several years. It is a strong, vigorous grower, quite hardy, and is a valuable addition to our small fruits It originated in California, and seems to be a true hybrid between the raspberry and blackberry, partaking of the nature of both in quality and appearance, but of finer and more delightful flavor. The berries are the size of the largest blackberries, and of a rich, dark, purple red color. It is an abundant bearer, the fruit has very few seeds, ripens early (before blackberries), and is of such excellent quality for eating and cooking that it has brought four times the price of other berries, and will probably continue high for several years. **25c each, $2.50 per doz. postpaid.**

## Austin's Improved Dewberry.

(See cut.) The following extract from **American Gardening** describes this variety better than we possibly can: "The berries are much larger than those of any other Dewberry or Blackberry. It requires no trellises or stakes and can easily be trained into tree form. The fruit is jet black and of superior flavor. For productiveness it outrivals all Dewberries or Blackberries, as high as $966 per acre having been realized from this fruit, selling at 15 cents per quart. **$1.00 per doz., postpaid.**



SURPRISE.

**LUCRETIA DEWBERRY.**—One of the low-growing, trailing blackberries. The plant is perfectly hardy and remarkably productive, with large, showy flowers. The fruit is from 1 to 1½ inches long by 1 inch in diameter, soft, sweet and luscious throughout, ripening very early, before raspberries are gone. Plants should be well mulched with straw to keep the fruit from the ground. As the Dewberry roots only from the tips and does not sprout like other blackberries, it is more desirable for garden culture than tall growing sorts, and the trailing habit of the plant will render winter protection easily accomplished in cold climates where that precaution may be necessary.

### MARKET BLACKBERRY COLLECTION.

For small planters who wish a succession of fruit for early, medium and late market this is very desirable.

| | | | |
|---|---|---|---|
| 100 Early Harvest. | | | |
| 100 Eldorado. | 1 | Collection, | $11.00 |
| 100 Taylor. | ½ | " | 6.00 |
| 100 Rathbun. | ¼ | " | 3.25 |
| 100 Stone's Hardy. | | | |

RATHBUN.

AUSTIN'S DEWBERRY

# RASPBERRIES.

BLACK HILLS.

Of all the fruits grown by the amateur or professional, none will give greater returns for the time and money expended than these. They thrive well everywhere and produce enormous crops of fruit, which always sells at good prices. We believe there is no surer road to fortune for any young farmer residing near any of the large cities of the country, than to plant several acres of small fruits for market purposes. The earliest and latest ripening varieties are usually the most profitable, though mid-season sorts should also be planted to give a succession throughout the fruiting season.

**CULTURE**—Plant in good soil, and manure from time to time freely. The hills should not be less than four feet apart each way, with two or three plants in a hill. Cut out the old and weak shoots each year, preserving not over six for fruiting. If the location is so much exposed that the plants are inclined to kill down seriously, they may be bent over in the fall, on mounds of earth formed at one side of the hills and covered sufficiently to keep them down until spring. Surplus suckers take strength from the bearing plants. They should be cut away or hoed up frequently. One acre, 4 feet apart each way, contains 2723 hills, requiring about 5500 plants. Where customers wish, we will make selections for one, two, five or ten acre plats, giving such varieties as our wide experience has shown to be most desirable for their needs and locality.

## General List of Red Sorts.

The canes of all these varieties should be cut back to within a few inches of the ground immediately after planting. Cut out all wood as soon as the canes are through fruiting, to give more vigor to the young canes. Surplus suckers take strength from the bearing plants. They should be cut away or hoed up frequently. **Unless otherwise noted, 50c per doz postpaid, $1 50 per 100, $10.00 per 1000, by express or freight.**

**Black Hills.** **It originated in Dakota and is almost as hardy as an oak. The fruit is of a rich, red color, extra large and of the most delicious quality.** One of its best points is its wonderful yields and great length of time it will bear during the summer. The plants are vigorous in growth and so hardy that they have stood our severe winters in the Northwest without any protection at all, always bearing heavily and surpassing any other sort in both yield and flavor. For large planters and those who wish to grow perfect fruit for the market we cannot recommend this sort too highly, for we know by actual experiments at our nursery that it will outyield any red sort and the fruit will sell at a higher price in any and all markets. For the home garden its many good qualities commend it to all housewives who want choice fresh fruit for table use or canning. **$1.00 per doz., postpaid; $2.50 per 100, $20.00 per 1000, by express or freight.**

**COLUMBIAN**—One of the greatest raspberries in cultivation. Plant, a giant in growth and perfectly hardy. Fruit, large, firm, dark red, rich, juicy and of most delicious flavor; does not drop from bush and most excellent for shipping. Yields of 8000 quarts per acre have been known. Canes grow from 10 to 15 feet high, many being an inch in diameter. **75c per doz., postpaid; $2.00 per 100, $17.50 per 1000.**

**CUTHBERT**—The standard red variety. Fruit, large, conical, rich crimson, rich and luscious flavor. One of the best shippers known.

**HANSELL**—Fruit of medium size, bright crimson and finest quality.

**King.** This exceedingly good variety is considered by many market growers, the best early red ever introduced. The fruit is of largest size, of a beautiful scarlet color, very firm, of good quality and ripens the earliest of all. **$1.00 per doz., postpaid; $2.50 per 100.**

**Loudon.** A Northern variety, which will take the place of all other Red Raspberries, with the exception of our Black Hills. It was originated by F. W. Loudon, of Wisconsin, who says: "The Loudon is a seedling of Turner, crossed with Cuthbert; berry is large, color beautiful. It yields 200 bushels to the acre, and may be shipped to New Orleans in good shape." **75c per doz., postpaid; $1.50 per 100, $12.50 per 1000.**

**MARLBORO**—Fruit of large size, of a light crimson color, firm and of good quality.

**MILLERS**—A thoroughly reliable and most perfect variety, of very vigorous growth, the canes attaining a height of 6 feet, which do not winter kill in the least. Berries of large size, handsome appearance, firm and delicious. Begins to ripen its fruit by the middle of June and continues in crop till August. **Per 1000, $12.50.**

**RELIANCE**—An old and reliable variety. Fruit, large, round, dark red with a sprightly, acid flavor.

**RANCOCAS**—A very productive, mid-season variety, which ripens its fruit very evenly.

GOLDEN QUEEN.

**SHAFFER'S COLOSSAL**—A colossal fruit, both in the plant and the berry, and especially adapted to the South. Berries very large, of dull purplish, unattractive color, of a rich, luscious flavor. Unsurpassed for jams, jellies, canning, etc. Ripens rather late in the season.

**TURNER**—Very productive and hardy, of good size, light, handsome red and of fine flavor.

**Golden Queen.** This variety is a seedling of the Cuthbert, but the color of the fruit is a rich golden yellow. The flavor is of the highest quality, pronounced by some superior to the Old Brinkle's Orange, the finest flavored of all the raspberries. In size equal to Cuthbert, immensely productive, a very strong grower, and hardy enough even for the extreme northern latitudes, having stood uninjured when even the Cuthbert suffered. The desire for a yellow raspberry of high quality, combined with vigorous growth and perfect hardiness, is believed to be fully met in this variety. **75c per doz., postpaid; $2 00 per 100, $15.00 per 1000, by express or freight.**

## The Japanese Wineberry.

The canes of this interesting plant are large, robust and entirely hardy here; they are thickly covered with purplish-red hairs, which extend along the stem to the extremity. Each berry is at first tightly enveloped in the large calyx, forming a sort of burr, which is also covered with purplish-red hairs so thickly as to present the appearance of a moss rosebud. These gradually open and turn back, exposing the fruit in all its beauty. The berries are of medium size as compared with our raspberries, but are of a beautiful translucent appearance, running through all the shades of amber to crimson as they ripen. There is a freshness and brilliancy about them impossible to describe, and we know of nothing in the way of raspberries so attractive. In quality the fruit is good, with a rich and sprightly flavor, but decidedly brisk sub-acid. When cooked it is simply grand, surpassing by far when canned the huckleberry and all other small fruits. Season of ripening early July. **75c per doz. postpaid; $3.00 per 100 by express.**

JAPANESE WINEBERRY.

## AMATEUR'S GARDEN COLLECTION.

Containing choice fruit for home cultivation in small gardens. This will produce an abundance of delicious berries for a family of six or eight.

**12 Black Hills, 12 Cuthbert, 6 Golden Queen, 6 Cumberland, 6 Mayfield Prize.** } **1 Collection, 42 plants for $2.50 postpaid; $2.00 by express at purchaser's expense.**

LOUDON.

KING.

# GENERAL LIST OF BLACK CAPS.

For many purposes and by many persons the black raspberries, commonly termed "Black Caps," are preferred to the red. For shipping purposes they carry much better and carry longer distances than the red. They are generally preferred for canning and often for table use, while for jams they are unsurpassed. We grow a limited number of varieties, those which we consider the very best for general culture. While many other good kinds are on the market our customers will make no mistake by planting these, as our list is **the Cream of the lot. Unisss otherwise noted, 50c per doz. postpaid; $1 50 per 100, $10.00 per 1,000 by express or freight.**

**Cumberland.** (See Cut.) A valuable acquisition among black raspberries. With its greatly superior size, it combines the equally valuable characteristics of great firmness, splendid quality and wonderful productiveness. The plants are entirely hardy, very vigorous and healthful, and seem entirely unaffected by either anthracnose or yellow blight. In season of ripening it follows Souhegan and precedes Gregg a short time, making a mid-season variety. Under equal conditions, Cumberland will yield 2,000 quarts per acre more than Gregg and 1,000 more than Ohio. The Cumberland has yielded a good crop when Cuthbert and Gregg were both frozen to the ground. In vigor of growth the Cumberland stands at the head. It forms a strong upright bush, throwing up stiff, stocky shoots, well calculated to bear up their immense loads of fruit. Fresh fruit of the Cumberland has sold for 3 to 5 cents per quart more than could be secured for Gregg, and 6 to 7 cents per quart more than could be secured for Ohio on account of its superior size. **75c per doz postpaid; $2.50 per 100, $22.50 per 1,000 by express or freight.**

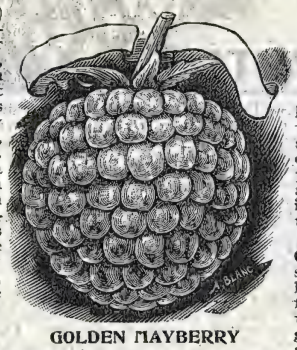
**EUREKA**—Fruit large, firm and of the best quality. Berry free from bloom and very attractive in the measure, making it a splendid seller. The canes make a strong, upright growth, with a bright, healthy color and are very hardy. It has been stated that an acre of Eureka would yield as much as an acre each of Palmer and Gregg combined. It is a medium early ripening variety.

**GREGG**—The leading late Black Cap and a popular market sort; canes of strong, vigorous growth and, under good culture, very productive; berries are large, covered with heavy bloom, firm, meaty and of fine flavor; it requires a good strong soil to produce the best results; it is by far the best late Black Cap and the largest of any.

**KANSAS**—Strong, vigorous grower, standing extremes of drought and cold, and bearing immense crops. Early, ripening just after Palmer. Berries size of Gregg, of better color; jet black, and almost free from bloom; firm, of best quality; presents a handsome appearance and brings highest price in market.

**MAMMOTH CLUSTER**—A well known old variety, yet retained for its high quality and productiveness; rich and juicy with much bloom; canes strong and vigorous; medium to late.

**Mayfield Prize.** (See Cut.) This variety is perfectly hardy, withstanding our severe winters without the least damage, as well as the extreme heat of Southern States. **It is extremely early**, making it invaluable to fruit growers and others who want a good fruit for the early market. The berries are of good size, firm texture and great keeping qualities. **Its appearance** is most handsome, being a deep glossy, jet black, nearly free from bloom. On the market in competition with other standard varieties it commands a much higher price and is always most eagerly sought after by the best trade. Planters who want an early berry, a handsome berry, a good berry, a productive berry and a profitable one to grow should not fail to plant this peerless sort. **$1.00 per doz postpaid; $3.00 per 100 by express or freight.**



GOLDEN MAYBERRY

**Munger.** (See Cut.) This new variety resembles the Gregg, but is fully a quarter larger and of much better flavor. It ripens immediately after the Gregg and withstands heat and drought better than any sort we have ever grown. It is specially adapted for market purposes, and is the hardiest variety we have ever grown. **$1.00 per doz. postpaid; $2.50 per 100.**

**Nemaha.** This variety originated in the Nemaha Valley, Nebraska, where it is largely grown. It is large, round, firm, juicy, and of better quality than Gregg, especially in the Northwest. It is perfectly hardy everywhere, very productive, of most excellent quality and always produces large, even-sized berries, which command the highest market price.

**PALMER'S**—The first to ripen; fruit good size and quality; canes wonderfully productive, vigorous and hardy, ripens its crops in a short time.

MAYFIELD PRIZE.

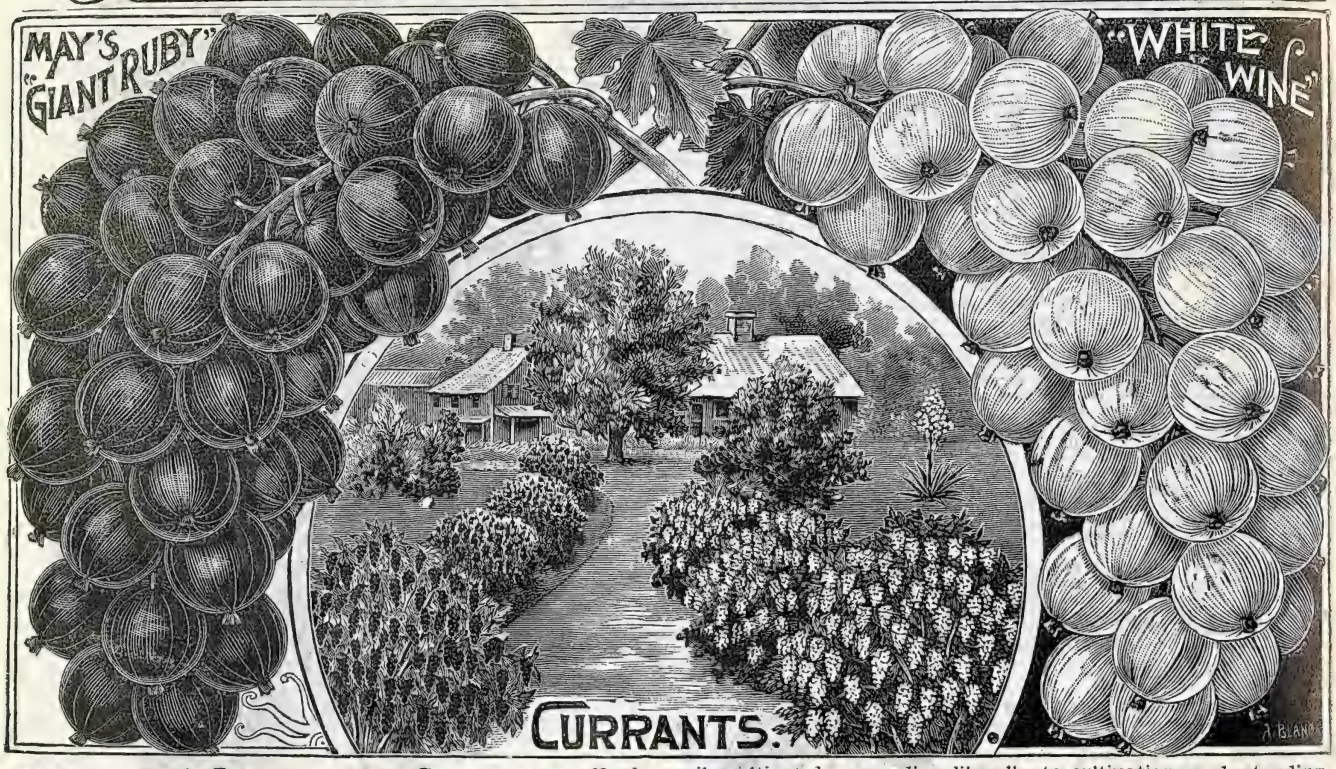
**OHIO**—A very strong growing, hardy sort, producing fruit of large size, which is much esteemed for drying. It is very productive and highly prized wherever grown. The berries average large, are very firm, of good quality and ship well. In many fruit sections this is the only black variety grown, for it is always certain to produce a good crop every year. Its season is medium, thus keeping up a good supply of fruit between the early and late varieties.

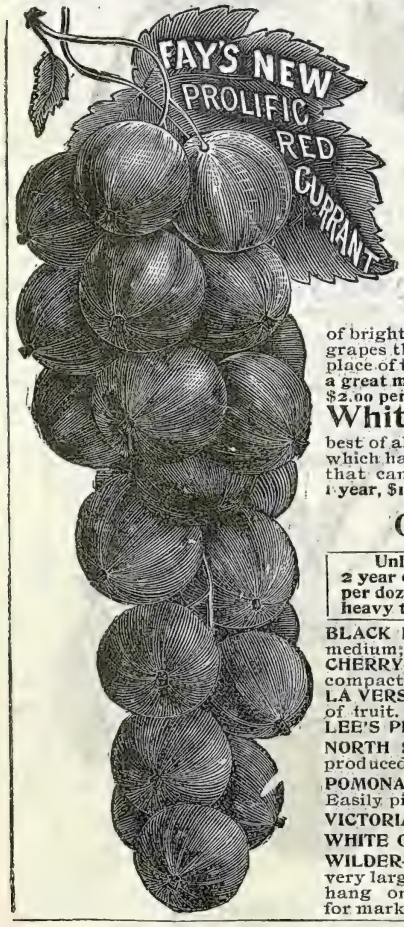
**Japan Golden Mayberry.** (See Cut.) **The earliest fruit known, forming a shrub-like bush six to eight feet high**, producing all along its branches large, white blossoms, which are soon followed by large, sweet, glossy, golden, semi-transparent berries. The bushes do not die down after bearing, like the canes of the raspberry and blackberry, but continue to bear fruit for many years, like the Currant and Gooseberry. **20c each, $2.00 per doz., postpaid.**

MUNGER.

NEMAHA.

CUMBERLAND.




**Currants.** Hardy, easily cultivated, responding liberally to cultivation, and standing neglect well, no class of plants grown will afford better returns for the investment, either for home use or the market than these. They should be had in every garden and will pay handsomely for market. Plant four feet apart in rich ground, cultivate well or mulch heavily. Prune out old wood so that each remaining shoot will have plenty of room to grow in. Powdered White Hellebore dusted on the plants will destroy the currant worm.

By planting the red or white varieties alternately with the black, the ravages of the currant worms may be greatly lessened, as they do not attack the black varieties.

**Black Champion.** (See Cut.) The leading variety of its color. A very strong, vigorous grower, and a very productive sort. Berry and bunch very large and of most excellent quality. **1 year $1 00 per doz., $5.00 per 100; 2 years $1.50 per doz., $7.50 per 100**

**Fay's Prolific.** (See Cut.) Until the introduction of our Giant Ruby this was considered the best market variety in existence. It certainly possesses all the good qualities necessary in a first class market sort. The plant is robust in growth, hardy in habit and exceedingly productive. The stems and berries are of largest size, very uniform and of most excellent quality. **1 year, $1.00 per doz., $5.00 per 100; 2 years, $1.50 per doz., $8.00 per 100.**

**May's Giant Ruby.** (See Cut.) **The largest of all the red currants ever introduced.** The bushes are unusually strong in habit of growth and bear immense clusters of berries in the greatest abundance. In color the berries are a most beautiful shade of bright red, and in formation the bunches are so immense that they resemble more a small bunch of rich, red grapes than they do a bunch of currants. Many fruit growers are now planting largely of this variety in place of the older sorts, on account of the enormous yields which are certain to be the result. **You will make a great mistake if you don't secure White Wine and Giant Ruby. 1 year, $1.50 per doz., $8.00 per 100; 2 years, $2.00 per doz., $10 00 per 1.00**

**White Wine.** (See Cut.) A splendid white variety that bears great bunches of lovely, pearl white currants of the most delicious flavor. This and Giant Ruby we consider by far the best of all the currants in both quality and yield, surpassing even the well-known and valuable Fay's Prolific, which has been such a great favorite the past few years. Our White Wine is by far the hardiest white sort that can be obtained, and is especially desirable for the Middle and Northern states on that account. **1 year, $1.50 per doz , $8.00 per 100; 2 years, $2.00 per doz., $10,00 per 100.**

## General List of Standard Varieties.

**Unless Otherwise Noted—1 year old plants $1.00 per doz., $5.00 per 100, 2 year old plants, $1.25 per doz., $7 50 per 100. If wanted by mail add 20c per dozen for 1 year old plants to these prices. 2 year old plants are too heavy to send by mail.**

**BLACK NAPLES**—Fruit varies from small to large, averaging above medium; pulp acid, with strong flavor.

**CHERRY**—The standard red. Berries of large size; bunches short and compact. Plant very vigorous and productive.

**LA VERSAILLES**—Very similar to Cherry in habit of growth and character of fruit. Not quite so strong a grower as the cherry.

**LEE'S PROLIFIC**—A black variety of large size and superior quality.

**NORTH STAR**—A strong growing red sort. Bunches 4 inches long and produced very freely.

**POMONA**—Berry of medium size, beautiful appearance and excellent quality. Easily picked and excellent for shipping.

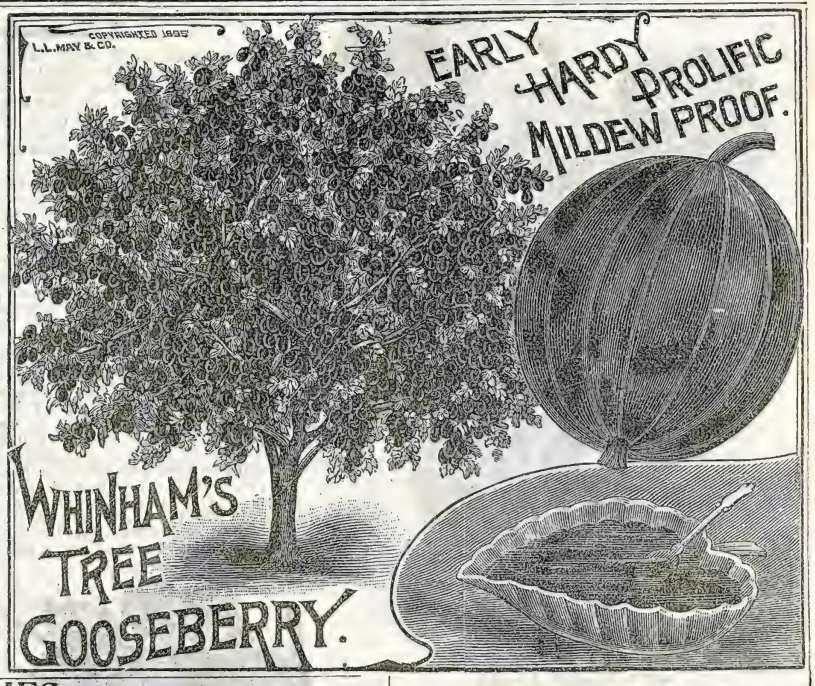
**VICTORIA**—A large late red variety. Of finest quality and very productive

**WHITE GRAPE**—The standard white. A most excellent sort.

**WILDER**—A new red variety of great merit. The bunch and berries are very large, of a bright, attractive red color, even when dead ripe. They hang on the bushes a long time without dropping and are extra fine for market purposes.

BLACK CHAMPION.

RED JACKET.




## GOOSEBERRIES.

This fruit is so useful for cooking when green or ripe, and may be canned with such facility, that it is beginning to be cultivated very extensively for both home and market use. Plant in good, rich soil and give a liberal mulching of manure each year. In order to obtain fine fruit, prune regularly each year. To prevent mildew, spray bushes as soon as leaves appear and several times during the season with potassium sulphide, one ounce to four gallons of water.

**Whinham's Tree.** It grows in upright tree form, throwing its branches straight out or upright, holding the mammoth berries far above the ground. **The fruit is of immense size, often measuring 1½ to 2 inches in length, a rich deep red in color. In flavor and quality it is unequalled,** being entirely free from the coarseness so often found in the smaller sorts. Another and most valuable feature of this splendid berry is its **hardiness.** It has been thoroughly tested in all sections of America **and proven to be perfectly hardy,** standing the severe winters of the North without any protection. In addition to this, **it is mildew proof,** never showing the least sign of Mildew, rot, blight or any other diseases so common to this fruit, **it attains a marketable size quite three weeks earlier than any other gooseberry,** consequently commands the highest price, and is the heaviest cropping variety in cultivation. **1 year, 20c each, $2.00 per doz., postpaid; $10.00 per 100. 2 years, $2.50 per doz., by express, $15.00 per 100.**

**COLUMBUS.**—A new American seedling of English type. Of large size, oval in form, skin greenish yellow, smooth, of the finest quality. Plant a strong robust grower, with large spines or thorns. Foliage large and glossy. It has never shown a trace of mildew on either fruit or foliage. **1 year, 15c each, $1.50 per doz., postpaid; $8.00 per 100 by express. 2 years, 20c each, $2.00 per doz., postpaid; $12.00 per 100 by express.**

**Chautauqua.** (See cut.) A strong, vigorous, productive variety of recent introduction. Fruit large, light yellow, free from spines and hair, thick skinned, sweet and of exquisite flavor. One of the best sorts ever offered and bound to become very popular when all its good qualities are fully known. **1 year, 20c each, $2.00 per doz., postpaid. 2 years, 30c each, postpaid; $2.50 per doz., by express.**

**DOWNING.**—An old favorite and one of the best for home or market use. Fruit large, handsome pale green, of finest quality. Plant vigorous and free from mildew. **1 year, 10c each, $1.00 per doz., postpaid; $5.00 per 100. 2 years, 15c each, $1.50 per doz., $8.00 per 100.**

**HOUGHTON.**—Enormously productive. Fruit of medium size, roundish oval, pale red, sweet and tender. **1 year, 10c each, $1.00 per doz., postpaid; $5.00 per 100. 2 year, 15c each, $1.50 per doz., $8.00 per 100.**

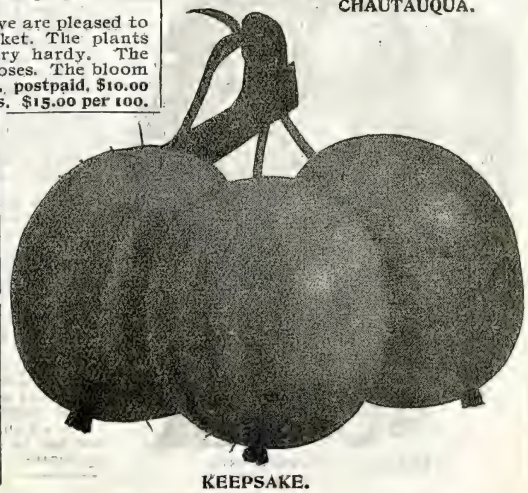
**Keepsake.** This is a new English variety, possessing such unusual merit that we are pleased to list it along with such good varieties as Whinham's and Red Jacket. The plants grow in tree form, are dwarf in habit, immensely productive, free from mildew and very hardy. The fruit is very large, straw colored, of excellent flavor, and unequalled for shipping purposes. The bloom is protected by foliage, rendering it a sure cropper. **1 year, 20c each, $2.00 per doz., postpaid, $10.00 per 100. 2 year, 25c each, $2.50 per doz. by express. $15.00 per 100.**

CHAUTAUQUA.

PEARL.

**Pearl.** An exceedingly prolific variety that has been well tested and ranks No. 1 in healthfulness, vigor of growth, freedom from mildew and productiveness. Same color as Dowing; seems to possess all the good points of that variety with a little larger fruit and rather more prolific. **1 year, 25c each, $2.50 per doz., postpaid. 2 years, 40c each, $4.00 per doz., by express.**

**Red Jacket.** The fruit is of the largest size, fully as large as Whinham's Tree, of most beautiful and attractive appearance, and of most delicious flavor. The plant and foliage are at all times vigorous, clean, healthy and mildew proof. It has been tested in many sections, under many trying circumstances and has at all times and in all places, proven perfectly hardy and enormously productive. The berries are a bright, showy red, very striking and attractive, and command the highest prices in all markets. It is the gooseberry for the millions and is a formidable rival to its famous English cousin, the Great Whinham's Tree. **1 year, 20c each, $2.00 per doz., postpaid; $8.00 per 100. 2 years; 25c each, $2.50 per doz., $12.00 per 100, by express.**



KEEPSAKE.

# GRAPES.

The grape is the most healthful of all fruits, and the most highly esteemed for its many uses. It can be grown by everyone who has a garden, a yard or a wall. It can be confined to a stake, bound to a trellis, trained over an arbor or extended until it covers a large tree or building, and still it yields its graceful bunches, and luscious, blooming fruit. Capable of most extraordinary results under wise management, it is prone also to give the greatest disappointment under bad culture or neglect. Other fruits may be had from plants that know no care, but grapes are to be had only through attention and forethought.

Plant in rows eight to ten feet apart and eight feet apart in the row. Dig holes sufficiently large to amply accommodate the roots of the vine and use only fine surface soil in filling in, mixing it with a little ground bone. Cut back one-year vines to two eyes, placing the lower one beneath the surface; cut back two-year vines to three or four eyes, putting two or three eyes below the surface. Spread the roots out, after trimming them; place the stock of the vine at one side of the hole and fill up with soil, pressing down firmly with the feet. Keep old wood trimmed off, growing fruit on new canes. Any pruning that will admit the sun and air to the fruit will insure a crop. No fruit should be allowed to remain on the vines until the third year, when with good culture each vine should produce 3 to 4 pounds, and a bountiful crop each succeeding year.

**AGAWAM**—A vigorous grower, producing large, red, thick skinned fruit, which ripens early. Pulp, soft, sweet and sprightly. **1 year 15c each, postpaid; $1.00 per doz. by express. 2 years 25c each, postpaid; $1.50 per doz. by express.**

CAMPBELL'S EARLY.

**Campbell's Early.** (See Cut.) The king of American grapes. A very strong, vigorous, hardy vine, with thick, mildew-resisting foliage, and perfect, self-fertilizing blossoms. Clusters very large, usually shouldered, compact and handsome; berries large, nearly round, often an inch or more in dimater; black, with light purple bloom. Season very early, ripening from the 15th to last of August. Has remarkable keeping qualities. As a keeper and shipper it is unequalled by any other American grape, while as a dessert fruit it is the height of perfection. **1 year 25c each, postpaid; $1.50 per doz. by express. 2 years 35c each, postpaid; $2.50 per doz. by express.**

**Niagara.** (See Cut.) A most desirable white variety and one that is very extensively grown in all grape sections. It is hardy, vigorous and productive in all sections. The bunches are very large and compact. Berries large, round with thin, tough skin, which does not crack and carries well. The flavor rich, sweet and melting with an aroma peculiarly its own. Ripens with the Concord. **1 year 15c each, postpaid; $1.25 per doz. by express. 2 years 25c each, postpaid; $2.00 per doz. by express.**

**Beta.** (See Cut.) This valuable variety originated in this state a few years since, and has already jumped into great prominence with the fruit growers of the state. It is supposed to be a cross between some largely cultivated sort and a native wild kind. The vine is very thrifty and hardy, withstanding our severest winters without protection and without injury. The fruit is jet black, of medium size, borne in compact, well-shouldered bunches. It ripens before frost, and is of most delicious quality. It is a most productive variety, seldom failing to bear immense crops of choice fruit. As a market sort it is bound to become most popular, and for the home garden it is unsurpassed. Its hardy nature, its thrifty growth, its great productiveness, its fine quality and its early ripening properties combine to render this Minnesota variety a boon to the fruit growers of the Northwest. **1 year 35c, 2 years 50c, postpaid.**

MCPIKE, 1-3 Natural Size.

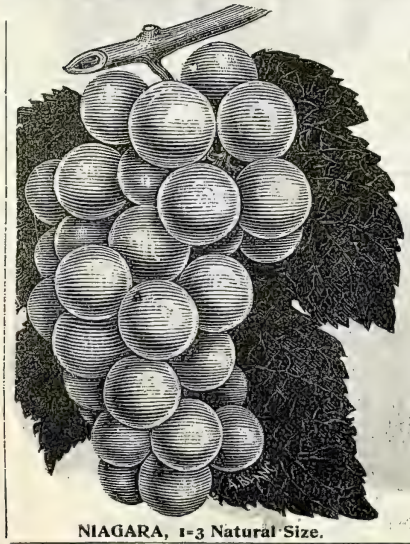
**BRIGHTON**—An early ripening sort, which produces large, well formed clusters of red fruit, of most excellent quality. Perfectly hardy and ripens early. **1 year 15c each, postpaid; $1.00 per doz by express. 2 years 25c each, postpaid; $1.50 per doz by express.**

**CAMBRIDGE**—A seedling of the well known Concord which we introduced several years since. The plant is perfectly hardy, very vigorous; foliage large, clean and healthy. Fruit of large size, borne in immense clusters, jet black and ripening earlier than the old Concord, making it valuable for northern localities. It is immensely productive, fruit hangs on the stem for a long time, and of an exceedingly fine quality. We believe it to be the grape for the millions for either home or market use. **1 year 15c, postpaid; $1.00 per doz. by express. 2 years 25c postpaid; $2.00 per doz. by express.**

**CATAWBA**—Fruit large, round, when fully ripe of a dark coppery red color with sweet, rich, musky flavor. A most excellent variety for wine. **1 year 15c, each, postpaid; $1.00 per doz. by express. 2 years 25c each, postpaid; $1.50 per doz. by express.**

**CHAMPION**—An early ripening black sort. Fruit medium to large, sweet, juicy and good. Plant very vigorous and hardy. **1 year 10c each, postpaid; 75c per doz. by express 2 years 15c each, postpaid; $1.00 per doz by express.**

**CONCORD**—The well known, standard sort, which succeeds well wherever the grape is grown, at all times producing large crops of luscious fruit. Hardy and productive in all soils and all locations. **1 year 10c each, 75c per doz. postpaid; 2 years 15c each, $1.00 per doz. postpaid, $6.00 per 100 by express.**



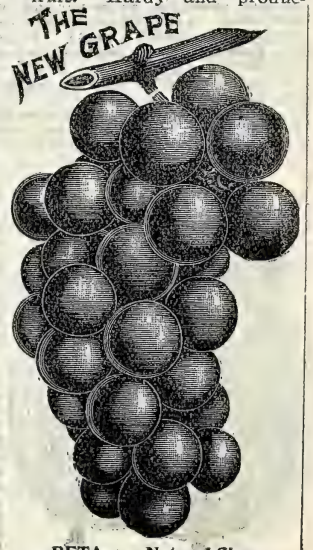
NIAGARA, 1-3 Natural Size.

**DELAWARE**—The standard red variety. A moderate grower, perfectly hardy and immensely productive requiring a rich soil and good culture. Bunches small and compact ripening with or a little before the Concord. Berries rather small, round, thin skinned, light red, juicy, sweet and delicious. **1 year 10c each, postpaid; 75c per doz by express. 2 years 15c each, postpaid; $1.00 per doz., $7 50 per 100 by express.**

**EATON**—A seedling of the Concord, which it resembles in general appearance, but the berry is much larger, of finer flavor and ripens a little earlier than the Concord. **1 year 20c each, postpaid; $1.50 per doz. by express. 2 years 30c each, postpaid; $2.00 per doz. by express.**

**EMPIRE STATE**—A fine large white grape, which is very highly regarded in many sections in the East. The bunches are medium, long, compact. Fruit juicy, rich, sweet and sprightly, continuing a long time fit for use. **1 year 15c each, postpaid; $1.25 per doz. by express. 2 years 25c each, postpaid; $2.00 per doz. by express.**

**Green Mountain.** (See Cut on opposite page.) This extra early, delicious, grape originated in the mountains of Vermont, has been tested for several seasons, and is proving to be one of the earliest whites in cultivation. The vine is perfectly hardy, vigorous and productive. Bunch medium to large and well shouldered. Berries of medium size, greenish white, with thin skin, sweet tender pulp, free from foxiness and containing but few seeds. **1 year 30c each, postpaid; $2.50 per doz. by express. 2 years 40c each, postpaid; $4.00 per doz. by express.**




BETA, 1-3 Natural Size

## GRAPES, Concluded.

**HARTFORD.**—A fine, hardy, vigorous, healthy, productive variety. Bunch of large size, well shouldered. Berries jet black, large size, sweet and pulpy. **1 year, 15c each, postpaid; $1.25 per doz., by express. 2 year, 25c each, postpaid; $2.00 per doz., by express.**

**IVES.**—A vigorous, healthy, productive variety, succeeding well in all localities. Bunch is long, compact. Berries of medium size, black, tough, thick skin, sweet, pulpy and somewhat foxy. Highly esteemed for wine and a most excellent shipping sort. **1 year, 10c each, postpaid; $1.00 per doz., by express. 2 year, 15c each, postpaid; $1.50 per doz. by express.**

**JANESVILLE.**—A very hardy black variety. A very strong, rank grower and very productive. Bunch and berry of medium size. Desirable in severe climates on account of its extreme hardiness. **1 year, 10c each, $1.00 per doz., postpaid. 2 year, 15c each, postpaid; $1.50 per doz., by express.**

**LADY.**—A well known seedling of the Concord, possessing great vigor and ripening early. Berry large, light yellow, with thin skin, and sweet, rich pulp. Should be planted on rich land and given high culture. **1 year, 15c each, postpaid; $1.50 per doz., by express. 2 year, 20c each, postpaid; $2.00 per doz., by express.**

**MARTHA.**—A most excellent white sort. Vine healthy and hardy, similar to Concord in appearance and habit. Fruit of medium size, thin skin, tender and very sweet, fully equal to Concord in quality and ripening with that variety. **1 year, 15c each, postpaid; $1.25 per doz., by express. 2 year, 25c each, postpaid; $2 00 per doz., by express.**

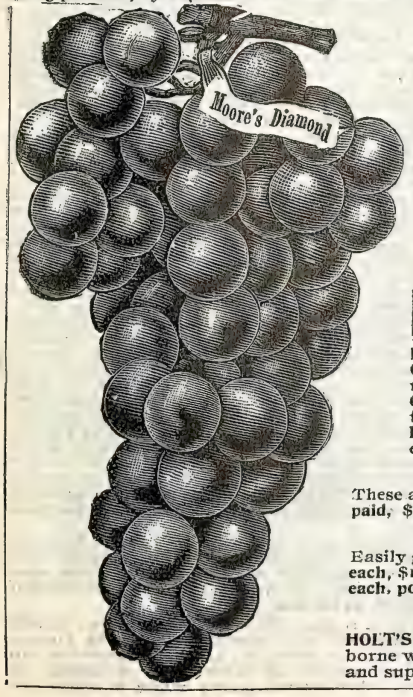
**McPike.** (See cut on opposite page.) A seedling of the Worden, fully as vigorous, hardy and productive, ripening at same time. Bunch very large, compact, black with blue bloom; berries mammoth size, usually three inches or more in circumference, extra fine quality. Has now been well tested in nearly all grape-growing sections and easily takes first rank as the very best large Grape, rivaling Black Hamburg in size and quality, as easily grown as Concord or Worden. **1 year, 25c each, postpaid; $2.00 per doz., by express 2 year, 35c each, postpaid; $3.50 per doz., by express.**

**Moore's Early.** (See cut.) This is one of the very best, early ripening black grapes ever introduced. The vine is very vigorous, hardy and productive, rendering it of especial value to the planters of the Northwest. It is an extra early ripening sort, making it particularly valuable for market. The bunch is very large, compact and of most beautiful appearance. The berry is perfectly round, very large, dark black with a heavy blue bloom. In quality it surpasses the Concord. It was introduced over 30 years ago and has proven perfectly hardy and productive in all sections of the country. **1 year, 15c postpaid, $1.25 per doz., by express. 2 years, 25c postpaid; $2.00 per doz., by express.**

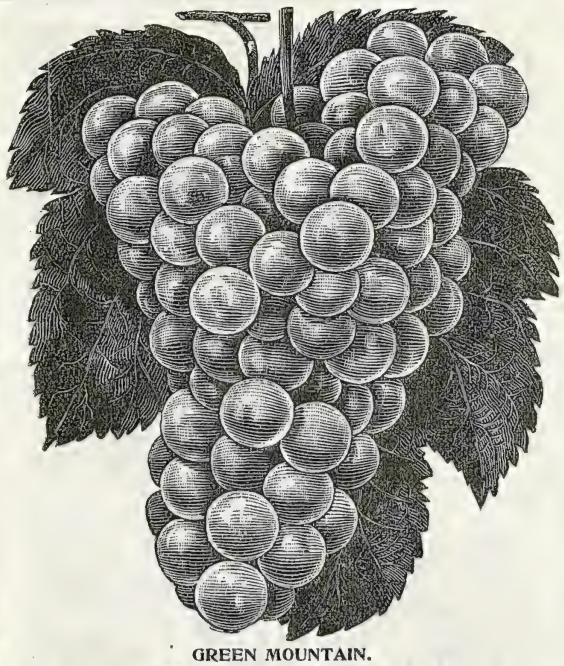
**POCKLINGTON.**—Bunch and berries of large size; when fully ripe, a rich golden yellow, juicy, tender and sweet. **1 year, 15c each, postpaid; $1.25 per doz., by express 2 year, 25c each, postpaid; $2.00 per doz., by express.**

**SALEM.**—Vines vigorous, hardy and healthy. Bunch large, compact, shouldered; berries large, round, dark copper color, with thick skin, sweet, tender with a rich, aromatic flavor. Ripens earlier than Concord. A splendid keeper, a good shipper and of excellent quality both for table use and wine. **1 year, 15c each, postpaid; $1.25 per doz., by express. 2 year, 25c each, postpaid; $2.00 per doz., by express**

**VERGENNES.**—A dark red variety. Berries large, skin thick and firm; flesh sweet and juicy. **1 year, 10c each, postpaid; $1.00 per doz , by express 2 years, 15c each, postpaid; $1.25 per doz., by express.**



MOORE'S EARLY.



GREEN MOUNTAIN.

**White Diamond.** (Moore's.) (See cut.) Valuable for all sections of the United States, as it is of healthy habit and perfectly hardy. The berries are extra large, of a creamy white color and of the richest and most delicious flavor. Withstands mildew and diseases, and is a sure cropper in every locality. **1 year old, 20c each, postpaid; $1.50 per doz., by express. 2 year old, 30c each, postpaid; $2.00 per doz., by express**

**WILDER.**—A popular market sort. Berries large, black, with thin, firm skin, sweet flesh and pleasant flavor. Ripens with Concord and is an excellent keeper. **1 year, 10c each, postpaid; $1.00 per doz., by express 2 years, 15c each, postpaid; $1.25 per doz., by express.**

**WORDEN.**—A most excellent large, black variety. It is larger than the Concord, of better quality, a more compact and handsome cluster and ripens five to ten days earlier. **1 year, 10c each, postpaid; $1.00 per doz., by express. 2 years, 15c each, postpaid; $1.25 per doz, by express. $7.50 per 100.**

## GARDEN ROOTS.

No kitchen garden is complete without its supply of these desirables, which are easily grown, require but little or no care after planting, are very productive, appetizing and healthful. Nothing pays better for marketing as the demand is constant and they always sell readily.

### Desirable Asparagus Roots.

**1 year old roots 25c per doz., postpaid; $1.00 per 100 by express or freight; $6.00 per 1000. 2 year old roots, 35c per doz., postpaid; $1 50 per 100, by express; $10.00 per 1000.**

**BARR'S MAMMOTH.**—Quick growing, large and tender.
**COLUMBIAN WHITE.**—A handsome, large, white variety of unsurpassed quality.
**CONOVER'S COLOSSAL.**—A standard variety of large size, tender and of most excellent quality.
**PALMETTO.**—The earliest grown, of even, regular size, and excellent quality.

### Horse Radish Roots.

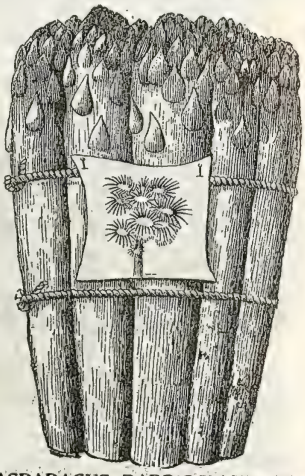
These are readily grown from sets or cuttings. **25c per doz., postpaid, $1.50 per 100, by express.**

### Rhubarb. (Pie Plant.)

Easily grown and most excellent for pies and sauce. **1 year old, 10c each, $1.00 per doz., postpaid; $5.00 per 100 by express. 2 years, 20c each, postpaid; $1.50 per doz., by express, $8.00 per 100.**

### Sage.

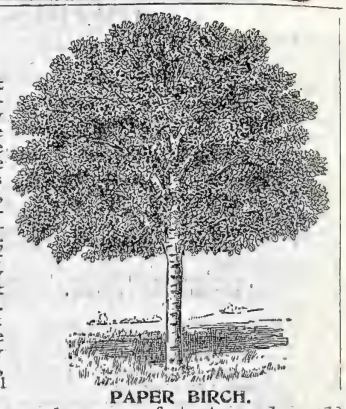
**HOLT'S MAMMOTH.**—Plants of strong growth. Leaves very large, borne well above the ground, are of unusual substance, strong flavor and superior quality. **10c each, $1.00 per doz., postpaid.**



ASPARAGUS, BARR'S MAMMOTH

AMERICAN ELM.

# ORNAMENTAL TREE DEPARTMENT.



PAPER BIRCH.

**What and how to plant** must, in a great degree, be determined by each one for himself, but we would advise to plant a variety of hardy, well tested sorts, and although we entitle this department "Ornamental," we esteem it to combine the uesful with the ornamental in great measure. Wind-breaks of trees, especially if they are evergreen, make the dwelling house warmer, give comfort to the inmates and diminish to no inconsiderable extent the consumption of fuel; they make the outbuildings warmer for stock by night, and yard by day, not only making the dumb animals comfortable, but thereby saving a large amount of food. **Keep shrubs and trees mulched** for the first two seasons after planting, oruntil they are well established and then let the turf grow about them. Mow the grass frequently, and top-dress with fine manure every fall and winter.

**Many of our most active business** men are also men of taste, and would be glad to beautify and improve their home grounds, but they are so occupied with business that they have neither the time nor disposition to find out what they want, or to lay out their grounds. Where such is the case, we cheerfully place our experience and knowledge at their command, and willingly furnish plans and estimates for large or small places.

Deciduous Trees may be transplanted at any time after the leaves fall in autumn and before they start in spring, provided the ground is not frozen. The various uses to which the different sorts of trees have been found well adapted are given in our list, and may be helpful in selecting trees for any particular purpose. All our trees are grown under a thorough, clean system of cultivation, frequently transplanted and are well supplied with an abundance of fibrous roots which enable them to bear transplanting well. Do not be deceived into planting forest grown trees, for disappointment follows 99 plantings in every 100. In many varieties we have large specimen trees, which are not quoted herein. Prices on these will be cheerfully given on application.

**All mail size trees are sent postpaid. All others by express or freight at purchaser's expense.**

**A.** Indicates trees which will attain the largest size, 50 to 70 feet and upwards.
**B.** Indicates those growing 25 to 50 feet high and upwards.
**C.** Denotes those which grow from 10 to 25 feet and upwards.
**D.** Denotes the smaller sizes growing from 1 to 10 feet and upwards.

**ASH, AMERICAN WHITE**—(A.) A valuable native variety of rapid growth, forming straight, clean trunks and broad, oval shaped heads. Desirable for parks, public grounds and street planting, also for timber and forestry purposes. **30 to 36 inches, 15c each, $1.50 per doz., $8.00 per 100; 3 to 4 feet, 20c each, $2.00 per doz., $12.00 per 100; 4 to 5 feet, 35c each, $3.50 per doz; 6 to 7 feet, 50c each, $5.00 per doz.**

**BEECH, PURPLE LEAF**—(B.) An elegant, vigorous tree, growing 40 to 50 feet high. Foliage deep purple in spring, changing to crimson in summer and purplish green in fall. A most handsome variety for lawn planting in contrast with other trees. **2 to 3 feet, 40c each; 4 to 5 feet, $1.00 each.**

**BIRCH, AMERICAN WHITE**—(B.) A distinct native species of vigorous, rapid growth, triangular, taper pointed leaves and attractive white bark. A very handsome variety, one that is sure to please. **3 to 4 feet, 25c each, $2.50 per doz., $18.00 per 100; 4 to 5 feet, 50c each, $5.00 per doz.; 5 to 6 feet, 75c each, $7.50 per doz.**

## Elm, American.

(A.) (See Cut.) In the whole line of trees there is none better adapted for street planting, for city parks and squares or for large estates, than these. They thrive well everywhere, perfectly hardy in all locations, are rapid growers after becoming established, form beautiful heads, afford an abundance of shade and make valuable lumber. They will withstand more hard usage than any tree we are acquainted with. The limbs are rarely or never broken by the wind and storms, and never die out or decay as do those of many otherwise good sorts. **Mail size, 10c; 3 to 4 feet, 20c each, $2.00 per doz.; 4 to 6 feet, 30c each, $3.00 per doz.; 6 to 8 feet, 50c each, $5.00 per doz.; 8 to 10 feet, 75c, $7.50 per doz.**

**BIRCH, PURPLE LEAF**—(B.) A most handsome variety of vigorous, sturdy growth, similar to the White Birch, with beautiful purple foliage, rendering it very distinct and attractive. Does not grow as tall as the white. An elegant tree for the lawn. **3 to 4 feet, 50c each, $5.00 per doz.; 4 to 5 feet, 75c each, $7.50 per doz.; 5 to 6 feet, $1.00 each, $10.00 per doz.**

## Birch, Paper or Canoe.

(A.) (See Cut.) This variety is one of the handsomest trees in cultivation When young the bark is a dull brown, which gradually changes as the tree grows older to a pure shining, silky white, rendering it very clean looking and attractive at all times. The leaves are small, but very numerous, forming a very dense head of foliage. It is particularly adapted to parks and large lawns, as well as for street and boulevard planting. It is a most vigorous grower, soon forming a large handsome tree. It has never been extensively planted, but is sure to become very popular as soon as its great beauty and usefulness become generally known. **3 to 4 feet, 25c each, $2.50 per doz.; 5 to 6 feet, 50c each, $5.00 per doz.; 6 to 7 feet, 75c each, $7.50 per doz.**

CATALPA, SPECIOSA.

## Catalpa, Speciosa.

(B.) (See Cut.) This hardy native variety is one of the finest for shade and ornament in our entire list. The leaves are large, heart-shaped, beautifully ribbed, never subject to the attacks of insects, and at all times clean, vigorous and beautiful. The flowers which appear in June in large pyramidal clusters, are white and purplish, fragrant, very attractive and remain on the tree a long time. These are succeeded by long, slender, pea-shaped seed pods, which hang on till severe frosts. The tree is a most rapid grower and the wood when sawed into lumber most durable, rendering it of great value for boards, posts, rails, etc. The foliage is very dense, providing plenty of shade, while the striking beauty of the tree and its adaptability to all climates, soils and conditions render it one of the most valuable for general planting. Village councils loooking for valuable park trees, cemetery superintendents wanting something ornamental and hardy, private parties with large places to beautify, farmers wanting valuable timber trees and all others having large plots to plant are requested to write us for special prices on 100, 500 or 1000 lots. Our stock of this noble variety is large and very fine, while we are sure it will please everybody. **Mail size, 10c each postpaid. 3 to 4 feet trees, 25c, $2.50 per doz.; 4 to 5 feet trees, 30c each, $3.00 per doz; 5 to 6 feet trees, 35c each, $3.50 per doz.; 6 to 7 feet trees, 40c each, $4.00 per doz.**

**COTTONWOOD--(Canadian Poplar.)** (A.) A tall native tree, with large shining leaves, growing 80 to 100 feet high and broad spreading tops furnishing an abundance of shade. Grows very rapidly and is very hardy, thriving under most adverse conditions. Particularly adapted to the Northwestern Prairies where other varieties fail. **Mail size, 10c each, 50c per doz. postpaid. 5 to 6 feet, 25c each, $2.50 per doz.; 6 to 8 feet, 35c each, $3.50 per doz.; 8 to 10 feet, 50c each, $5.00 per doz.; 10 to 12 feet, 75c each, $7.50 per doz.**

**CRAB, BECHTEL'S FLOWERING**—(C.) As an ornamental tree of medium size, it has few equals. Its disposition to bloom when very young is remarkable. Specimens not over 30 inches high are literally covered with bloom, which presents the appearance of a mass of medium sized roses of blush color. The blossoms are most beautiful and fragrant, the odor resembling the fragrance of tea roses. **4 to 5 feet tree, 75c each, $7.50 per doz.**

## Dogwood, White.

**(Cornus Florida.)** (See Cut page 95.) (B.) An American species of fine from growing from 18 to 30 feet in height. The flowers, which are produced in the spring before theleaves appear, are from 3 to 4 inches in diameter, pure white and very showy and very durable, often lasting two weeks or more before dropping. As they appear in early spring before trees are leaved out, their intense pearly white blossoms are especially pleasing. **18 to 24 inches, 50c each.**

HORSE CHESTNUT.

## Hackberry.

(B.) (See Cut.) A very handsome native tree, of easy, rapid growth and great vigor, which bears transplanting as well as any tree we know. The character of the growth is similar to the Elm, though the top is not quite so spreading as that variety. It makes a more rapid growth soon forming large trees. The leaves are arranged laterally on the limbs and have a drooping tendency. The foliage is very dense, forming excellent shade. It is well adapted for park and street planting, is perfectly hardy everywhere and should be planted extensively. It is particularly free from the attacks of insects. **Mail size, 10c each, 3 to 4 feet, 30c each, $3.00 per doz. by express; 4 to 5 feet, 40c each, $4.00 per doz. by express; 7 to 8 feet, 60c each, $6.00 per doz. by express.**

**HAWTHORN**—(C.) A showy tree of small size and hardy nature, much used in England for hedges. Has beautiful, showy, white blossoms produced in great abundance in early June **5 to 6 feet trees, 75c each.**

## Horse Chestnut.

**White Flowering.** (B.) (See Cut.) A most beautiful, well known tree, with round, dense head, handsome dark green foliage, and an abundance of showy flowers in early spring, which are followed by large clusters of showy fruit. For lawn, street, boulevard and park planting, this is certainly one of the finest trees we are acquainted with. While it has not been generally planted in the West and Northwest, it appears to be perfectly at home here, growing vigorously and standing our winters without the least injury. **Mail size, 10c each postpaid. 6 to 8 feet, 75c each, $7.50 per dozen.**

**HORSE CHESTNUT—Red Flowering.** (C.) Similar to the Common White except in color, which is a bright showy red, and blossoms later. The tree is not so vigorous a grower as the white. **4 to 5 feet trees, 75c each.**

**HORSE CHESTNUT—Double White Flowering.** (B.) A superb variety, with double white blossoms in larger panicles than the common sort. It is of vigorous growth, forming fine pyramidal shaped heads. It produces no fruit, and on this account is preferred to the common variety. **6 to 8 feet, 75c each.**

**HORNBEAM—(Water Beech.)** (B.) A native species growing from 15 to 20 feet high. Similar in growth to the Beech, but the foliage is thinner and more irregular in form. It makes a very ornamental and useful hedge. **Mail size, 10c each, $1.00 per doz. postpaid.**

**KENTUCKY COFFEE TREE**—(B.) A fine native tree, unique and beautiful. Leaves in tufts, flowers greenish white, borne in loose spikes in early summer, succeeded by brown pods containing 6 or 7 large gray seeds. Is perfectly hardy everywhere, and adapted to a great variety of purposes. Thrives well at sea shore and in many other places under most adverse conditions. **Mail size, 10c each, $1.00 per doz. postpaid. 3 to 4 feet, 25c each, $2.50 per doz. by express; 5 to 6 feet, 50c each, $5.00 per doz. by express; 7 to 8 feet, 75c each, $7.50 per doz. by express.**

**LARCH, EUROPEAN**—(A.) An excellent, rapid growing, pyramidal shaped tree, with drooping slender branches and light green, needle-shaped foliage, like the spruce or hemlock foliage, which is soft and graceful. It makes valuable lumber, soon forming large trees. It is perfectly hardy, thrives in nearly all situations, and makes handsome specimen plants for ornamental planting. **Mail size, 10c each, postpaid. 3 to 4 feet, 40c each by express.**

**LINDEN, AMERICAN—Basswood.** (A.) Perfectly hardy everywhere, most vigorous in growth, with large, clean, handsome foliage, affording an abundance of shade and forming large stately trees in a short time, few trees have more good qualities to commend themselves to planters than this. The bloom is delicate and handsome, the fruit or seed embellishing the tree until the leaves drop in the fall. Basswood Honey is counted the best made and everyone keeping bees should have a grove of Lindens. **2 to 3 feet, 15c each, $1.50 per doz.; 4 to 5 feet, 25c each, $2.50 per doz.; 6 to 7 feet, 50c each, $5.00 per doz.; 8 to 10 feet, 75c each, $7.50 per doz.**

## Linden European.

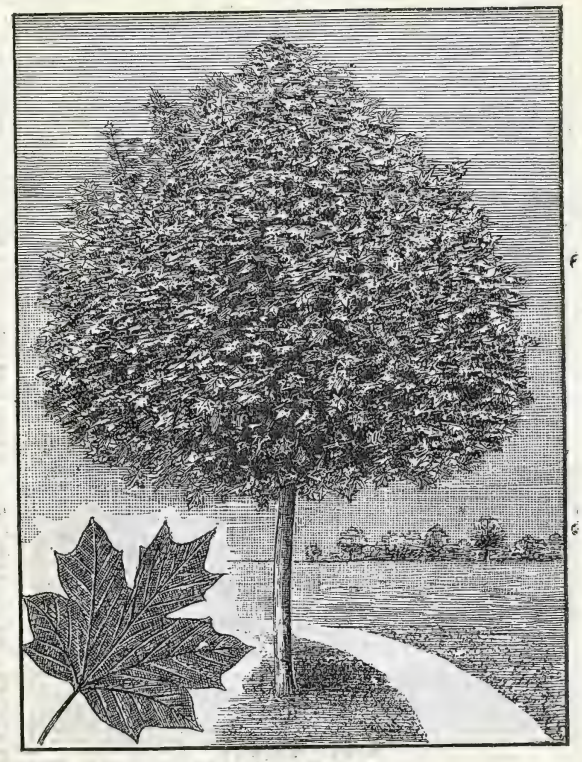
(B.) (See Cut on page 96.) This handsome variety is even more beautiful than the American. Its growth is more even and symmetrical, forming large, pyramidal shaped heads of rare grace and beauty. The leaf is larger than the American species, while the growth is characterized by the same vigor and hardiness. On account of its regular, symmetrical form and magnificent proportions this tree should always be planted singly, otherwise its real worth and beauty are not appreciated. As specimens on the lawn, on large lots or for street or avenue planting it has no superior. **Mail size, 10c each, $1.00 per doz. postpaid. 4 to 5 feet, 30c each, $3.00 per doz.; 6 to 8 feet, 50c each, $5.00 per doz.; 8 to 10 feet, 75c each, $7.50 per doz.**

HACKBERRY.

**LOCUST—Black or Yellow.** (B.) A native, rapid growing tree, of large size and handsome appearance. The wood is valuable for posts and lumber, and the tree, especially when in bloom, is very ornamental. The flowers are white and yellow, very fragrant, and borne in long, pendulous racemes in June. A capital tree for roadside and park planting as well as for groves and timber tracts. **5 to 6 feet, 30c each, $3.00 per doz.; 6 to 8 feet, 40c each, $4.00 per doz.; 8 to 10 feet, 60c each, $6.00 per doz.**

**LOCUST, VISCOSA**—(B.) Similar to the above except in the flowers, which are of a delicate rose color. A very showy ornamental. **Mail size, 10c each, $1.00 per doz. postpaid. 2 to 3 feet, 25c each, $2.50 per doz. by exprsss.**

**Do not be misled into planting forest grown trees. They have but few roots, have never been transplanted, and being grown in the shade are but poorly fitted to grow in the open, even under the most favorable circumstances.**



SCHWEDLERI MAPLE.

## Maple, Schwedleri.

(B.) (See Cut.) The handsomest Maple ever introduced. Of German origin, perfectly hardy everywhere, a rapid grower when once established and most handsome at all stages of growth. In the spring the leaves and young sprouts are the most beautiful red and purplish red imaginable, rendering it very conspicuous. These gradually change to coppery bronze during the summer, and to pure golden tints and shades in autumn. Their spring effects are as fine as those of the Purple Beeches, while their great hardiness enable them to be planted in many places where the beeches winter kill. As an ornament to the lawn or in parks and boulevards, their beauty is beyond compare and their great usefulness unsurpassed by any other tree. **Mail size, 25c each, $2.50 per doz. postpaid. 4 to 5 feet, 60c each, $6.00 per doz.; 6 to 8 feet, $1.00 each, $10.00 per doz. by express.**

**LIQUID, AMBER—(Sweet Gum.)** (B.) This fine tree is a pretty ornament for any grounds, and grows well anywhere, even in low, wet places. It has curious seed bulbs, rough, corky bark, and glossy, star shaped leaves that color to sparkling tints of red in autumn. **Mail size, 10c each, $1.00 per doz. postpaid; 18 to 24 inches, 20c each, $2.00 per doz. by express.**

DOGWOOD, WHITE.

MAPLE NORWAY.

# MAPLES.

For general shade and ornamental purposes the Maples are more generally planted than any other trees. They are regular in outline, beautiful in foliage, vigorous growers, free from all diseases and adapted to all soils. By skillful pruning and culture our Maples are trained into straight, stocky trees, not easily injured by high winds or ordinary street abuses. The Soft or Silver Maple is the most rapid growing, but for beauty and permanency nothing can surpass the Norway and Sugar. We wish to again warn our customers not to be misled into planting Forest Grown trees. They not only do not have the greatest essential—a mass of small fibrous roots—produced only by transplanting and cultivation, but they are not pruned and shaped properly, and being grown in cool, shady, damp situations in the forest are but poorly fitted to withstand the drought and heat of the open.

**Ash Leaf.** **(Manitoba.) (Box Elder.)** (A.) A very desirable tree for street planting, as it stands transplanting well and grows so rapidly as to produce considerable shade within a very short time. It is much used in the West and Northwest on account of its withstanding successfully both drouth and intense cold and is worthy of more general planting everywhere. Attains a height of about 70 feet; of rounded, globular shape; bark greenish yellow on young wood; succeeds well in a great variety of soils. **Mailing size, 10c each, postpaid; 3 to 4 feet, 20c each, $2.00 per doz.; 4 to 5 feet, 25c each, $2.50 per doz.; 5 to 6 feet, 30c each, $3.00 per doz.; 6 to 7 feet, 40c each, $4.00 per doz.; 8 to 10 feet, 50c each, $5.00 per doz.; 10 to 12 feet, 75c each, $7.50 per doz.**

**Norway.** (A.) Among the many beautiful trees of foreign origin, which do well in our American soil, but few can equal this grand variety from Europe. It is a sturdy, symmetrical grower, forming broad, spreading, rounded heads, at all times beautiful in growth and supplying an abundance of shade. The leaves are large, broad, deep green, hanging to the limbs much longer than other sorts. It is deep rooted and the branches are so compact and sturdy that the wind never breaks them. It can be used in a great variety of places but its greatest value is for street planting, where its beauty and worth are shown to best advantage. **Mail size 10c each, $1.00 per doz., postpaid; 2 to 3 feet, 20c each, $2.00 per doz., by express; 4 to 5 feet, 40c each, $4.00 per doz., by express; 6 to 8 feet, 75c each, $7.50 per doz., by express; 8 to 10 feet, $1.00 each; $10.00 per doz., by express.**

SCARLET (B.) A native species of medium size and rounded head, producing deep red blossoms which appear before the leaves. In autumn the foliage changes to brilliant scarlet, rendering the tree very conspicuous. At the South the seed pods assume most gorgeous tints. **Mail size, 10c each, $1.00 per doz., postpaid; 2 to 3 feet, 15c each, $1.50 per doz., by express.**

SILVER OR SOFT. (A.) Of most rigid growth, great hardiness and wide adaptability to all soils and all locations. **Mail size 10c each, 75c per doz., postpaid; 4 to 5 feet, 25c each, $2.50 per doz., $15.00 per 100; 6 to 8 feet, 40c each, $4.00 per doz., $25.00 per 100; 8 to 10 feet, 50c each, $5.00 per doz., $35.00 per 100; 10 to 12 feet, 75c each, $7.50 per doz., by express.**

SIBERIAN. (B.) A distinct and attractive tree of dwarfish growth, rounded head and handsome appearance at all times. Leaves small and finely cut turning to a beautiful reddish tint in early autumn. Perfectly hardy every where and fine for grouping. **Mail size, 10c each, $1.00 per doz., postpaid; 18 to 24 inches, 15c each, $1.25 per doz., by express.**

WEIR'S MAPLE.

SUGAR OR ROCK. (A.) One of the noblest and most enduring of all the Maples. It roots deeply allowing the grass to grow close about its trunk, and grows with age into a straight, symmetrical tree of grand porportions. It is valuable for the production of sugar as well as for ornament and shade. This fine tree readily adapts itself to all locations and is hardy and beautiful in the extreme North as well as in the scorching heat of the South; on the barren prairies of the West as well as in the fertile valleys of the East; on the farm for lumber and sugar, on the avenue for ornament, in the park for shade. **Mail size, 10c each, $1.00 per doz., postpaid; 2 to 3 feet, 20c each, $2.00 per doz., by express; 8 to 10 feet, 75c each, $7.50 per doz., by express.**

**Weirs Cut Leaf.** (B.) A very beautiful silver leaf sort with delicately cut leaves and distinct, half drooping habit. It grows rapidly, forming a straight, upright trunk, with slender branches that curve gracefully downward. It forms elegant specimen trees for lawns or parks, for lining carriage drives, for planting in parks and parkways and wherever an elegant, graceful tree is required. It is very hardy thriving everywhere with equal vigor. **4 to 6 feet, 50c each, $5.00 per doz.; 6 to 8 feet, 75c each, $7.50 per doz.; 8 to 10 feet, $1.00 each, $10.00 per doz.**

MAGNOLIA SOULANGEANA. (C.) A French hybrid sort. Flowers white and purple, 3 to 5 inches across, borne in great profusion in April before the leaves appear. **Mail size, 25c each, $2.50 per doz.**

MAGNOLIA ACUMINATA. (A.) (Cucumber Tree.) A beautiful, pyrmidal growing native tree, attaining a height of 60 to 70 feet, with large glossy leaves, flowers, yellow, tinted bluish purple. The fruit cones are large, cucumber-shaped, turning crimson in the autumn. **Mail size, 10c each, $1.00 per dox., postpaid; 18 to 24 inches 25c each, $2.50 per doz., by express.**

MOUNTAIN ASH, AMERICAN. (B.) A native tree of fine graceful habit, perfect hardiness and great beauty. The white flowers in spring are very pretty and are succeeded by the red berries which hang on until winter, and are most attractive. The foliage is always clean and handsome. An elegant tree for lawn planting. **Mail size, 10c each, $1.00 per doz. postpaid; 3 to 4 ft, 25c each, $2.50 per doz.; 6 to 8 ft, 50c each, $5.00 per doz.; 8 to 10 ft, 75c each, $7.50 per doz.**

**Mountain Ash, European.** (B.) This handsome variety is of more compact and even growth than the American sort and if anything makes a more attractive lawn tree. The stem is smooth and erect, the head round and compact, covered in spring with showy white blossoms and in late fall and winter with a large number of clusters of handsome red berries, which are very attractive and much admired. **2 to 3 feet, 20c each, $2.00 per doz.; 4 to 5 feet, 30c each, $3.00 per doz. 6 to 7 feet, 50c each, $5.00 per doz.; 7 to 8 feet, 60c each, $6.00 per doz., by express**

MOUNTAIN ASH OAK LEAF. (B.) A handsome tree of erect, compact growth, forming heads from 20 to 30 feet in breadth and the same in height. The foliage is very deeply lobed resembling the oak. This is a magnificent lawn tree, and being perfectly hardy should be planted extensively. **4 to 5 feet, 50c each, $5.00 per doz.; 6 to 7 feet, 75c each, $7 50 per doz.; 8 to 10 feet, $1.00 each, $10.00 per doz., by express.**

EUROPEAN LINDEN. (See page 95.)

OAK, AMERICAN WHITE (A.) This, the noblest of our native forest trees, retains its vigor and increases its grandeur for centuries. The famous "Hale Oak" of Connecticut is now more than 800 years old. Its great vigor and hardiness enable it to live on barren hillsides, desert plains, dust-laden, smoke-begrimed streets and in other unfavorable locations where other trees would not thrive. For wide lawns, parks, public grounds, avenues, etc., where there is room for development few trees are as imposing as this. **Mail size, 15c each, $1.50 per doz., postpaid; 15 to 18 inches, 25c each, $2.50 per doz., by express**

OAK, GOLDEN. (B.) A superb variety, with orange yellow leaves, which retain their golden tint throughout the season; one of the finest golden leaved trees. A good grower and a very attractive tree at all times. **15 to 18 inches, 20c each, $2.00 per doz., by express.**

OAK, PIN. **(Palustris.)** (B.) This is the most beautiful of all the oaks, and is certainly the most popular for street and park planting. As the tree grows the branches droop until the lower ones touch the ground, giving the tree a most handsome outline. The leaves are deep, glossy green, finely divided, changing to gorgeous tints of orange and scarlet in the fall. A rapid grower. **Mail size, 10c each, $1.00 per doz., postpaid; 12 to 15 inches, 15c each. $1.50 per doz.; 24 to 30 inches, 25c each, $2 50 per doz , by express.**

EUROPEAN MOUNTAIN ASH.

## OAKS.

**OAK, PURPLE.** (C.) A magnificent variety with dark purple leaves, which retain their beautiful tints the entire season. **Mail size, 15c each, $1.50 per doz., postpaid.**

**OAK, SCARLET** (B.) A native tree of rapid growth, tall pyramidal outline and especially handsome in autumn when the foliage changes to a bright scarlet. **Mail size, 15c each, $1.50 per doz., postpaid.**

## POPLARS.

As a class the Poplars grow rapidly, cost but little and soon form handsome, attractive trees. For lawn shade, for groups or hedges to screen disagreeable views, for planting in the sand of seaside resorts, and for street planting on rich, moist soil they are always satisfactory.

**BALSAM** (Balm of Gilead.) (B.) A native species of remarkably rapid growth, producing large glossy green leaves in great luxuriance. Has a peculiar odor, from which arises its name. **4 to 6 feet, 25c each, $2.50 per doz., by express.**

**Carolina.** (B.) The largest, most symmetrical, finest and best Poplar for general planting. A most rapid, vigorous grower, pyramidal in form with large glossy leaves. It grows very rapidly soon forming large trees. If properly cut back and trimmed it forms a fine spreading head. It thrives everywhere, is not affected by sewer gas, smoke, ashes or salt water. We recommend it very strongly for park and street planting. Planted alternately with Elms, Norway Maples and other hard-wooded trees they soon grow into large trees supplying an abundance of shade. After the other trees become large the Poplars can be cut out. This is rapidly becoming the most popular tree for general planting in the West and Northwest. **4 to 5 feet, 25c each, $2.50 per doz, $18.00 per 100 by express, 6 to 8 feet, 40c each, $4.00 per doz, $30.00 per 100, by express; 8 to 10 feet, 50c each, $5.00 per doz, $37.50 per 100, by express; 10 to 12 feet, 75c each, $7.50 per doz., $60.00 per 100, by express**

**GOLDEN LEAF.** (B.) One of the most attractive trees in cultivation. The foliage has a very decided golden tint, which it retains throughout the entire season. **4 to 6 feet, 30c each, $3.00 per doz., by express; 6 to 8 feet, 40c each, $4.00 per doz., by express.**

**LOMBARDY.** (A.) Well known for its erect, rapid growth and commanding form; very desirable in large grounds or along roads to break the average height and form of other trees **6 to 8 feet, 40c each, $4.00 per doz, by express; 8 to 10 feet, 50c each, $5.00 per doz., by express; 10 to 12 feet, 75c each, $7.50 per doz, by express**

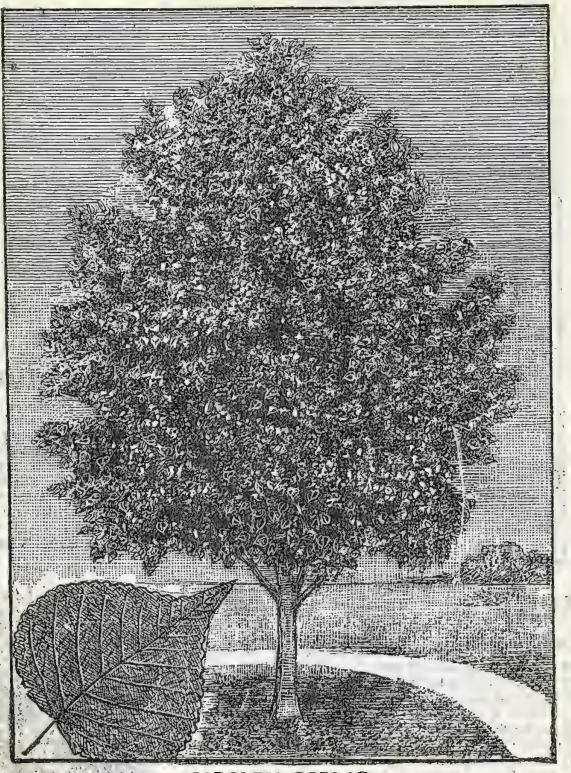
**SILVER.** (B.) This variety is of rapid growth and spreading habit. Has large leaves, dark green above, silvery white underneath. Very attractive at all times and when properly trained makes an elegant tree for shade. **4 to 5 feet, 20c each, $2.00 per doz, $10 00 per 100, by express; 6 to 8 feet, 30c each, $3 00 per doz., $20.00 per 100, by express; 10 to 12 feet, 50c each, $5.00 per doz, by express.**

**THORN PAUL'S DOUBLE SCARLET** (C.) A dwarf growing tree or shrub which produces large masses of very double, medium sized, scarlet blossoms in May. These are very attractive and fragrant **2 to 3 feet, 30c each, $3 00 per doz., by express; 4 to 5 feet, 50c each, $5.00 per doz., by express.**

**THORN DOUBLE SCARLET.** (C.) Produces very double, deep crimson blossoms with scarlet shade Foliage fine and rich. **2 to 3 feet, 25c each; 4 to 5 feet, 40c each, by express.**

**THORN, DOUBLE WHITE.** (C.) Produces a great abundance of small double white blossoms. **2 to 3 feet, 25c each; 4 to 5 feet, 40c each, by express.**

**TULIP TREE. (Whitewood.)** (A.) A magnificent native tree of rapid, tall and pyramidal growth. The leaves are large, broad, fiddle-shaped, and glossy. It produces large, tulip shaped blossoms of pale yellow and rich orange. It is allied to the Magnolias and almost as showy in leaf and flower as they. **Mail size, 10c each, $1.00 per doz., postpaid; 30 to 36 inches, 25c each, $2.50 per doz., by express.**



CAROLINA POPLAR.

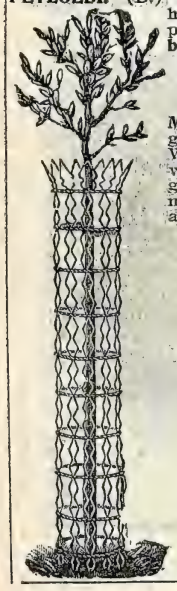
## WILLOWS.

These are very useful for a great variety of purposes and so readily adapt themselves to changed conditions that the more general planting of them is strongly advocated. For lawns, water side planting, shade and hedges they are at all times useful and appropriate. They transplant readily, grow well in all soils, and quickly form good sized trees. The bright bark and twigs of some varieties are very beautiful in winter.

**CAPREA. (Goat Willow)** (B.) This grows to a good size, has finely cut leaves, forming rather bushy tops. When properly trained it is one of the prettiest. **4 to 6 feet, 40c each, $4.00 per doz., by express; 6 to 8 feet, 75c each, $7.50 per doz., by express.**

**Laurel Leaf.** (B.) One of the finest in the entire list. The leaves are broad, dark green, very glossy, so that sunlight renders it the most conspicuous of green trees The bark is bright green in winter. It can be clipped to any desired form like the bay tree, and when carefully trained is not inferior to that high priced plant. For narrow streets and seaside plantings, for hedges and ornamental screens, for trained specimens on the lawn and for many other locations this rapid growing variety is unsurpassed. The foliage is always clean and not affected by insects. **6 to 8 feet, 40c each, $4.00 per doz., by express; 8 to 10 feet, 75c each, $7.50 per doz., by express; 10 to 12 feet, $1 00, each, $10.00 per doz., by express**

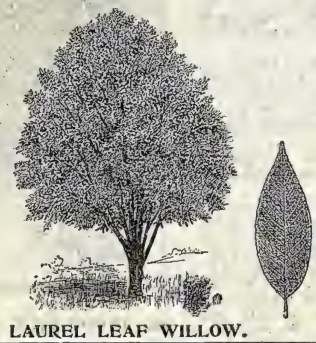
**PETZOLDI.** (B.) Another charming variety, of rapid growth and clean, healthy habit. Particularly desirable for water front plantings and hedges. **6 to 8 feet, 40c each, $4.00 per doz., by express.**



LAUREL LEAF WILLOW.

## The Hartman Tree Guard.

**Made of heavy steel rods galvanized.** They are light and graceful in appearance making an ornament to the grounds. Will not conceal the foliage or shade the tree from the sun, will not harbor insects and will allow cultivation of the ground. Take but a moment to erect and are easily moved from place to place. The spiral wire coils for attaching this guard to the tree are elastic and expand freely with growth of the trunk. They also prevent any friction or chafing of the tree against the guard during storms or high winds. It is as durable as a heavy wrought iron guard, neater in appearance and costs much less. 5 feet, 6 inches high. **$1.25 each, $12.50 per dozen.**



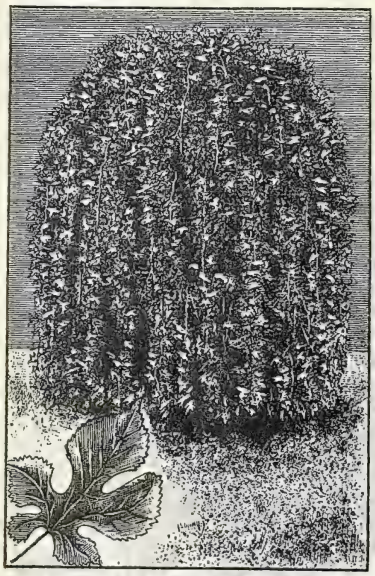
## Hawkeye Tree Protectors.

For young trees, described on page 110. **30c per doz., $2.00 per 100.**

MAPLE, ASH LEAF. (See Page 96.)

# WEEPING OR DROOPING TREES.

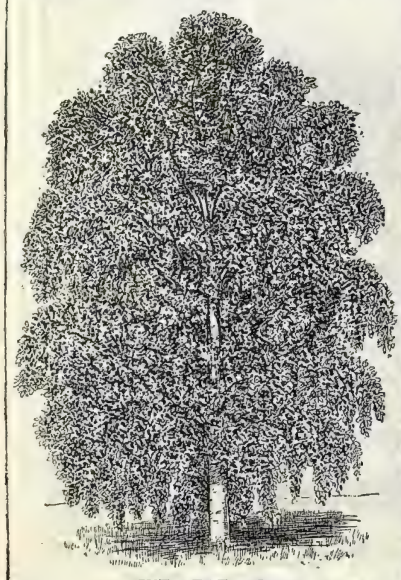
Much attention is now given to this interesting class of trees, and we therefore place them separately for the greater convenience of our friends. For the benefit of those unacquainted with their habits, we would say that they should be divided into two separate classes, namely: Those which are grafted where the top or head commences to form, as in the case of the Camperdown Elm, and those having long, slender branches which droop naturally, like the Cut Leaf Birch; the first assume that conspicuous, umbrella-like form so well known, and so excellently adapted for planting in cemeteries, small yards and gardens. The latter have tall-growing trunks, with long, slender branches, and are really handsome. They are well adapted for larger places, where they can have sufficient room. In such situations, the elegance and grace of their branches in motion or at rest, are so graceful to the eye that among ornamental shrubbery they have few if any superiors.



TEAS WEEPING MULBERRY.

**Mulberry, Teas Weeping Russian.** (D.) The most graceful and beautiful of hardy weeping trees, and wholly unlike anything heretofore introduced, forming a perfect umbrella-shaped head, with long, slender, willowy branches, drooping to the ground, parallel with the stem. These hang like the most delicate vines from a hanging basket, and are swayed by the slightest breath of wind. All who see it agree that in light, airy gracefulness and delicacy of form and motion, it is without a rival. It has handsome foliage of a beautiful glossy green. Being a true Russian, it possesses the wonderful vigor and health for which that species is noted. It is perfectly hardy, enduring unharmed not only the severe cold of the north, but the far more destructive heat and drouth of the south. It is one of the safest and most successful trees to transplant, enduring exposure and hard treatment that would kill almost any other tree. Admirably adapted to cemetery planting. A fine companion to the Cut Leaf Birch and destined to become as popular as that fine variety. **1st size, 75c; Extra Fine, $1.00.**

**POPLAR, LARGE-LEAVED WEEPING.** (C.) A variety having, when grafted standard high, long slender branches like cords, which droop very gracefully; foliage large, dark shining green and deeply serrated. One of the finest weeping trees in cultivation. Our stock of this variety consists of extra large specimen trees only with trunks 3 to 4 inches in diameter. **$2.50 each.**

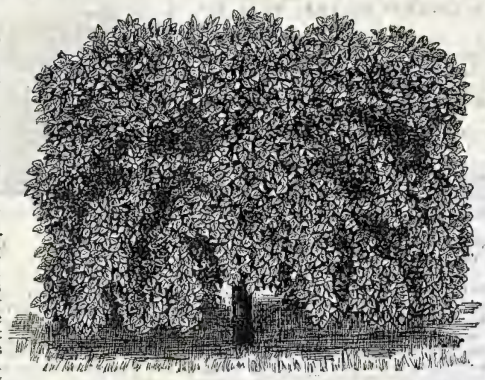


CUT LEAF BIRCH.

**Birch, Cut Leaf.** (A.) This is one of the most beautiful and desirable trees for the lawn ever introduced. The branches are of a graceful, drooping habit, with foliage delicately cut and very fine. The bark is silvery white, forming a beautiful contrast with the foliage. It makes a rapid growth and is perfectly hardy in all sections of the country. Mr. Scott, in his "Suburban Home Grounds," says of it:—"No engraving can do it justice; like the palm trees of the tropics, it must be seen in motion, swaying in the lightest breeze, its leaves trembling in the heated summer air, its white bark glistening through the bright foliage and sparkling in the sun, to enable us to form a true impression of its character. **Mail size, 25c each, $2.50 per doz , postpaid; 2 to 3 feet, 50c each, $5.00 per doz., by express; 3 to 4 feet, 75c each, $7.50 per doz., by express; 4 to 5 feet, $1.00 each, $10.00 per doz., by express; 5 to 6 feet, $1.25 each, $12.50 per doz., by express.**

**Elm, Camperdown.** (C.) (See cut.) One of the most graceful of all weeping trees, having large, luxuriant and deep green foliage; well adapted for planting on lawns and covering arbors; very desirable; a rapid grower. Very hardy and well adapted for all sections. Our stock has been grown from buds of our own growing, grafted on Minnesota seedling stocks, thus insuring its hardiness. We have a fine stock of this most useful tree and trust that all of our friends who really want something choice will order one of these. **1 year heads, $1.00; 2 year heads, $1.50, by express.**

**MOUNTAIN ASH, WEEPING.** (C.) A beautiful tree of hardy, vigorous growth, with straggling, pendant branches, turning and twisting in all directions, in a few years forming an immense head with branches resting on the ground, and producing a very pleasing effect. In the autumn it is covered with bright red berries, rendering it especially attractive. **1 year heads, 75c each, 2 year heads, $1.00 each, by express.**



CAMPERDOWN ELM.

**WILLOW BABYLONICA.** (A.) This is the common weeping willow, well known everywhere and highly prized wherever grown. Its graceful, pendant branches, and its beautiful foliage, which appears very early in spring, render it very ornamental and attractive. **4 to 6 feet, 25c each, $2.50 per doz., by express; 6 to 8 feet, 50c each, $5.00 per doz , by express.**

**WILLOW, GOLDEN WEEPING.** For winter effect this is one of the showiest trees in our entire list. The bark is a bright golden color, becoming more intense as the leaves disappear and remaining so throughout the winter. The branches are of graceful, drooping habit, forming a large rounded head of soft green foliage during the summer. Of rapid growth and hardy nature, succeeding well everywhere. **8 to 10 feet, strong trees, $1.25 each, by express.**

**WILLOW, KILMARNOCK.** A distinct variety, having reddish shoots and large, glossy foliage; grafted at a proper height, about five feet from the ground, it makes a very desirable small lawn tree, having a perfect umbrella-shaped head, and with the branches drooping gracefully to the ground, and is well suited for planting in cemetery lots or other small enclosures. Extensively planted, and should be in every collection of ornamental shrubbery. Hardy and of vigorous growth. **Strong, 2 year old heads, $1.00 each; strong 1 year old heads, 75c each, by express.**

**WILLOW, NEW AMERICAN.** An American dwarf variety, which, when grafted on a standard stem, five or six feet high, makes one of the most ornamental of small weeping trees, having long, slender shoots and delicate leaves of great beauty and very graceful. **2 year heads, $1.00 each, by express.**

**WILLOW, ROSEMARY.** (C.) This very charming, graceful sort is most decorative and showy. It forms a round headed top of feathery, silvery foliage that is at all times handsome and most attractive. For lawns and for grouping in parks and spacious plats it is one of the most effective trees we have ever seen. **3 to 4 feet, 40c each, $4.00 per doz., by express; 4 to 6 feet, 60c each, $6.00 per doz , by express.**

**WILLOW, WISCONSIN WEEPING.** (B.) Of drooping habit, similar to Babylonica, but much hardier than that variety. **8 to 10 feet, 75c each, by express.**

## ADDITIONAL EVERGREENS.

**SPRUCE, DOUGLASSI.** Another handsome variety from the mountains of Colorado. Grows in conical form to a large size with numerous branches spreading horizontally. Leaves light green above, glaucous below. **8 to 10 inches, 25c each, postpaid; 12 to15 inches, 30c; 18 to 24 inches, 50c, 2 to 3 feet, 75c each, by express.**

**SPRUCE, HEMLOCK.** Our most graceful native Evergreen, retaining its dark, pure green color all winter, its elegance and vigor to extreme age. Unpruned its growth is open, free and drooping; when pruned it becomes very dense. **12 to 15 inches, 25c each. $2 50 per doz., 18 to 24 inches, 40c each, $4.00 per doz., by express.**

**SPRUCE, BLACK HILLS.** A native sort of extreme hardiness, rapid growth and most beautiful foliage. **8 to 12 inches 15c each, $1 50 per doz , postpaid**

**Red Cedar.** (See cut page 99.) This attractive native tree possesses so many points of merit and is so handsome that we place it in the foremost list of American trees. For hedges, ornamental or useful, for windbreaks, for specimen trees on the lawn, in groups, in neglected nooks and corners, it grows with the same vigor and rapidity, forming dense pyramidal shaped heads of rare grace and beauty. **12 to 18 in., 20c each, $2.00 per doz.; 18 to 24 in., 30c each, $3.00 per doz.; 2 to 3 ft. 50c each, $5.00 per doz., by express.**

AM. ARBOR VITÆ. (See page 99.)

# EVERGREENS.

The trees which we offer here are all nursery grown, transplanted stock. In transplanting never allow the roots to be exposed to the sun for a single moment. A mulching of straw or leaves will be found very beneficial, especially in dry seasons. Allow them to branch freely near the ground. This prevents the soil drying up quickly around the roots and adds to the beauty and effectiveness of the tree.

Evergreens should be planted at a time when the earth is warm and they can commence growth immediately. Unlike deciduous trees they never become dormant, but must receive nourishment from the soil at all times, consequently there must be plenty of fine soil about the roots when planting, so that root action may begin at once. Fall or early spring planting is not desirable; the best time for transplanting evergreens is in May or early June, just as the new growth is ready to start.

**Arbor Vitae, American.** (See Cut on page 98.) All things considered this is the most popular evergreen in cultivation, either for single specimens on the lawn, planted in clumps, or for ornamental hedging. Tree is very symmetrical in growth, the foliage is finely cut and very dense. It readily adapts itself to all situations, is perfectly hardy, when once established, a rapid grower and for ornament and usefulness has no superior. **8 to 12 inches high, 20c each, $2.00 per doz. postpaid. 12 to 18 inches, 25c each, $2.50 per doz by express; 18 to 24 inches, 35c each, $3.50 per doz. by express.**

**ARBOR VITAE, CHINESE**—These form dense, pyramidal heads of dwarf growth, which are very effective for planting around groups of taller evergreens. The foliage is dark green and very handsome. **8 to 12 inches, 25c each; $2.50 per doz. postpaid**

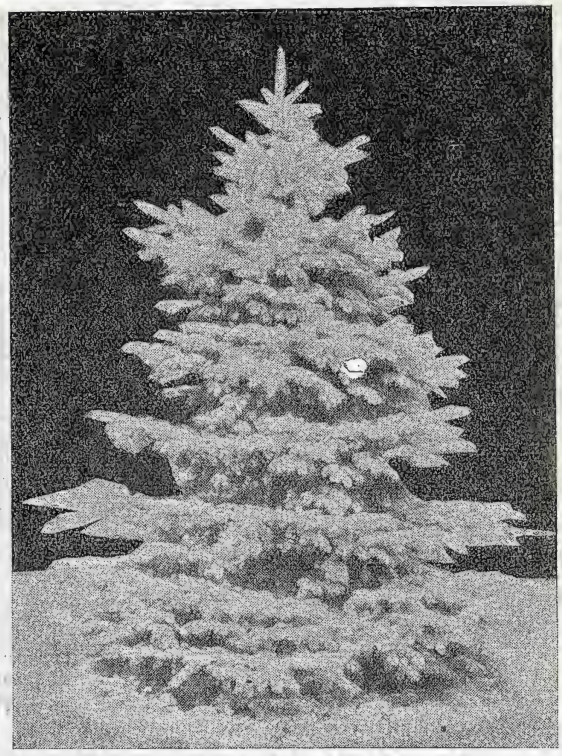
**ARBOR VITAE, PYRAMIDALIS**—The most beautiful of all the Arbor Vitaes. Forms compact, slender, pyramidal shaped heads of dark green, at all times conspicuous and very ornamental. It is perfectly hardy, very vigorous in growth with dense, dark green foliage. **8 to 12 inches, 25c each, $2.50 per doz. postpaid; 18 to 24 inches, 50c each, $5.00 per doz. by express.**

**FIR, BALSAM**—A well known and popular tree; very handsome while young, assuming the upright or conical form; leaves dark green above, silvery beneath; retains its color throughout the severest winters; grows rapidly, and every way desirable. **8 to 12 inches, 15c each, $1.50 per doz. postp id; 12 to 18 inches, 20c each, $2.00 per doz. by express; 18 to 24 inches, 25c each, $2.50 per doz. by express; 2 to 3 feet, 50c each, $5.00 per doz. by express.**

**FIR, NORDMAN'S**—As a specimen tree this sort is almost peerless. It forms a thick, dense tree of beautiful proportions, well adapted by its moderate growth to small areas. The foliage is wide, thick, dark green and lustrous with a silvery under surface that makes the tree sparkle in the sunshine. **8 to 12 inches, 20c each, $2.00 per doz. postpaid; 12 to 18 inches, 30c each, $3.00 per doz. by express.**

**JUNIPER, IRISH**—A slender, erect grower with bright green foliage. Excellent for cemetery lots and small yards. Grows to a height of 8 to 10 feet, and is at all times clean, healthy and beautiful. Fine for all sections, but particularly valuable in the Middle States. **18 to 24 inches, 40c each, $4.00 per dozen.**

**JUNIPER, SAVIN**—A low, spreading tree with handsome, dark green foliage. Desirable for lawns and cemeteries. Can be pruned to any desirable shape. **18 to 24 inches, 50c each, $5.00 per dozen.**



COLORADO BLUE SPRUCE.

**PINE, SCOTCH**—A most beautiful variety, similar to the Austrian in character of growth, with strong, erect shoots, and silvery needles. **8 to 12 inches, 15c each, $1.50 per doz. postpaid; 12 to 18 inches, 25c each, $2.50 per doz by express; 18 to 24 inches, 35c each, $3.50 per doz. by express; 2 to 3 feet, 50c each, $5.00 per doz by express**

**PINE, WHITE**—Quickest growing and most beautiful of all our native Pines, also one of the longest-lived and most generally valuable. It grows naturally into beautiful specimen trees, makes a fine back ground and shelter belt for lawns, and is a valuable timber tree, even on the poorest soils. The needles are long, silvery and plumy in effect. **8 to 12 inches, 15c each, $1.50 per doz. postpaid; 12 to 15 inches, 20c each, $2.00 per doz. by express; 18 to 24 inches, 25c each, $2.50 per doz. by express.**

**RETINOSPORA PLUMOSA**—A small evergreen from Japan, of great beauty, useful for bedding or grouping, either alone or with other evergreens, or for specimens on even the smallest lawns and for winter decoration in pots and tubs. The foliage is light green, dense and feathery. **10 to 12 inches, 50c each postpaid.**

**Pine, Austrian.** From Central Europe, where it grows over 100 feet high; remarkably robust, with long, stiff leaves and deep green foliage; hardy everywhere, and valuable for planting as wind-breaks, screens, etc. One of the most useful species giving, as it does, a most distinct effect. A remarkably rapid grower and more easily transplanted than most varieties. We recommend this for general planting for hedges, wind breaks, parks, avenues, large lawns, etc. **8 to 12 inches, 15c each, $1.50 per doz. postpaid; 12 to 15 inches, 20c each, $2.00 per doz. by express; 18 to 24 inches, 30c each, $3.00 per doz. by express; 2 to 3 feet, 50c each, $5.00 per doz. by express.**

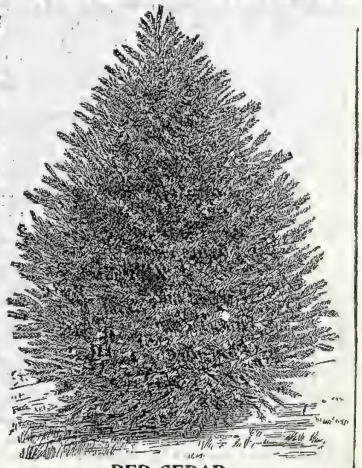
AUSTRIAN PINE.

**Spruce, Colorado Blue.** Among the evergreens this variety easily takes first place. The foliage is a rich, azure blue, unlike that of any other variety, very distinct and attractive at all times. Even the young shoots assume the characteristic tint of the older growth. In summer's heat or winter's cold, in sunshine or in rain, the rich blue tinge envelops the tree in a halo of beauty, unlike that of any other plant, tree or shrub. It is a native of the Rocky Mountains, where it flourishes high up among the everlasting snows. Its hardiness to withstand cold, heat, drouth and flood is well established, while its intense beauty commends it to all who wish a strictly choice ornamental tree. **Our stock is the best selected colors. 8 to 10 inches 75c each postpaid; 12 to 15 inches, $1.00 each by express; 15 to 18 inches, $1.50 each by express; 18 to 24 inches, $2.50 each by express; 2 to 3 feet, $5 00 each by express.**

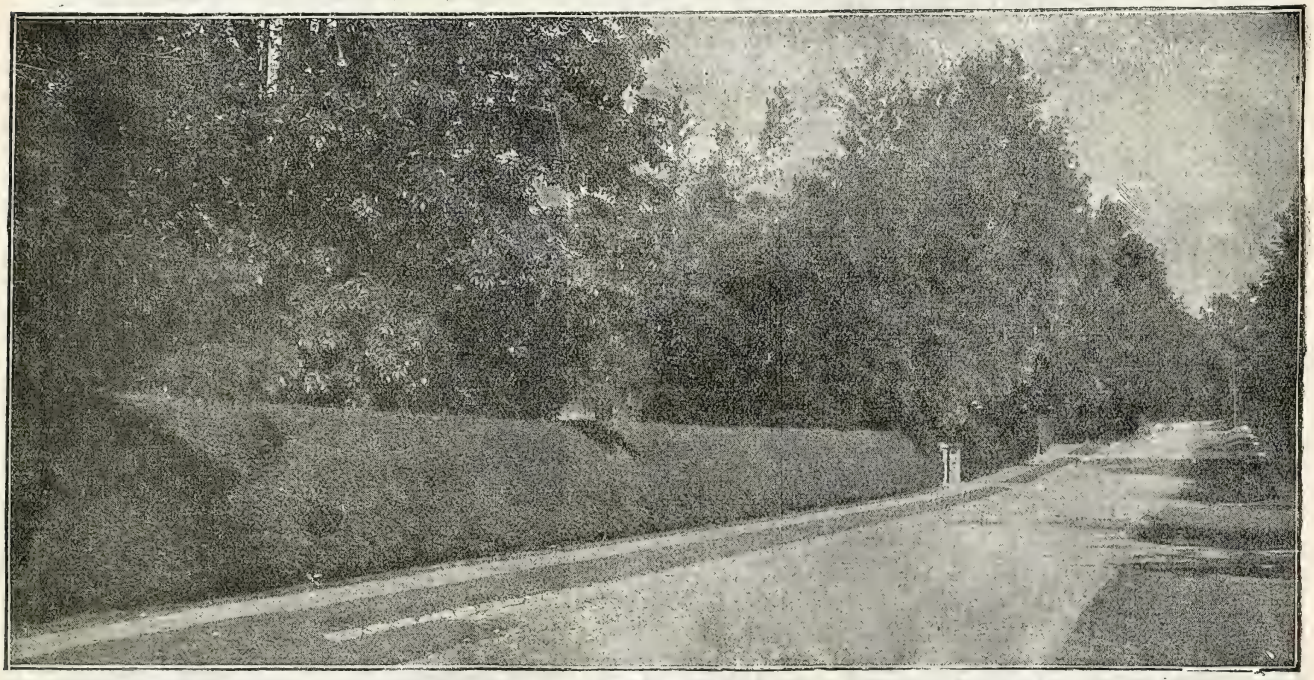
NORWAY SPRUCE.

**Norway Spruce.** One of the handsomest of evergreens; when young the tree is remarkably rich and luxuriant; as it grows older, its branches droop with a fine graceful curl or sweep, some specimens, however, more than others; and when covered with its large pendant cones it is an object exceedingly picturesque and beautiful. It is deservedly popular and with the American Arbor Vitae is more largely planted than any other variety. Fine for specimen trees and one of the best for hedges and wind breaks. **8 to 12 inches, 10c each, $1.00 per doz. postpaid; 12 to 18 inches, 20c each, $2.00 per doz. by express; 18 to 24 inches, 30c each, $3.00 per doz. by express; 2 to 3 feet, 50c each, $5.00 per doz. by express.**

(For additional Evergreens see page 98.)



RED CEDAR.



**A well kept Buckthorn Hedge.**

# HEDGES.

The idea of planting hedges for use and ornament, and screens for the protection of orchards, farms and gardens, is a practical one, and rapidly becoming appreciated.

They serve not only as protection against the fierce winds, but there is much less trouble from the blowing off of the fruit. Some writers tell us that the temperature is warmer in the vicinity of evergreens. However this may be, we know that our gardens are earlier and our fruits ripen better when protected by such screens. Nothing can be more beautiful than ornamental Hedges, well kept and pruned to serve as boundary lines between neighbors, or as divisions between the lawn and garden, or to hide unsightly places. By using medium sized plants a hedge can be made as cheaply as a good board fence can be built, and then with a little care, it is becoming every year more and more "a thing of beauty." We all know that such hedges constitute a principal attraction in our best kept places.

To secure a good hedge it is necessary to plant well Dig a deep, wide trench, and work the soil thoroughly about the roots. Press the ground firmly, and mulch heavily for a distanee of two or more feet on either side, according to the size of the plants. This is especially necessary with evergreens, and all exposure of the roots to the sun and air must be strictly avoided.

Deciduous hedge plants, as a general rule should be planted from 6 to 12 inches apart, evergreens from 8 to 18 inches according to size.

## Deciduous Hedge Plants.

**BERBERRY, PURPLE**—This rare and beautiful plant is particularly adapted for ornamental divisions of city lots, or wherever a hardy, beautiful, showy hedge is wanted. The foliage is a deep violet purple, always clean and healthy. The fruit is of the same shade of color, the two forming a most striking combination. The plant is dwarf and stocky. **8 to 10 inches, $3.00 per 100; 12 to 15 inches, $5.00 per 100.**

**BUCKTHORN**—After a thorough test of all varieties listed here as well as many others, we consider this the best and hardiest for the Northwest. It stands our cold winters without a particle of injury, commences growth very early in spring, retains its foliage late in autumn, forms a compact, dense hedge, which will turn all kinds of cattle and swine, is never killed by drought, and succeeds well in any and all sections. Foliage is dark green; blossoms small, white, followed by small, black fruit. **8 to 10 inches, $3.00 per 100, $15.00 per 1,000; 15 to 18 inches, $4 50 per 100, $25.00 per 1,000.**

**CARRAGANA, ARBORESCENS**—(Siberian Pea Tree.) This is a hardy variety from Northern Russia, now being extensively planted in Manitoba and Dakota. The foliage resembles the Locust, the leaflet terminating in a short, sharp point. The blossoms appearing the last of May are a bright yellow, very showy and attractive. It is perfectly hardy everywhere, flourishes in the poorest soils and, if properly trimmed, soon forms an impenetrable hedge. **6 to 8 inches, $3.00 per 100; 8 to 10 inches, $4.00 per 100.**

**CITRUS TRIFOLIATA**—(Hardy Lemon.) Valuable for a defensive hedge as well as for ornament. Perfectly hardy in the Middle and Southern States and most beautiful everywhere. It is a most rapid grower and forms a thick, heavy hedge in 3 years from planting. It has dark, glossy green foliage and is thickly studded with stout thorns. In spring it is thickly covered with myriads of white, sweet-scented blossoms, which are followed by showy fruit **$5.00 per 100.**

**HONEY LOCUST**—In many sections of the North this is still considered the best. It is of vigorous growth, perfectly hardy, thrives with ordinary care and on account of its thorny nature, is well adapted for farm planting. **12 to 15 inches, $2.00 per 100, $15 00 per $1,000.**

**JAPAN QUINCE**—The foliage is bright, glossy green, retaining its color throughout the summer. The flowers which are borne in the greatest profusion, are brilliant crimson, very showy and attractive, and are produced before the leaves appear in spring. **12 to 18 inches, $5.00 per 100; 18 to 24 inches, $8 00 per 100.**

**OSAGE ORANGE**—Highly esteemed in many parts of the West and South. A handsome variety, but not hardy in the Northwest. **2 years $1.50 per 100, $10 00 per 1,000.**

**PRIVET, COMMON**—One of the very finest plants for ornamental hedges. It makes a rapid growth, has bright clean foliage, and is easily trained and cared for. In early summer it produces tiny, white blossoms. **12 to 18 inches, $3 00 per 100, $20.00 per 1,000.**

**PRIVET, CALIFORNIA**—A recent introduction that has met with great favor wherever planted. It makes a very rapid growth, has shining, dark green leaves, which it retains until late in the fall. In the autumn the top is a mass of golden colored flowers, very striking and beautiful. The root is very hardy. The tops should be severely pruned each season, the new growth being stronger and denser with each succeeding year. **12 to 18 inches, $3.00 per 100, $25 00 per 1,000**

**PRIVET, CHINESE OR AMOOR RIVER**—A most attractive, handsome variety, with long, shining leaves and large, pure white, fragrant blossoms, produced in great profusion. A stronger grower than the California with coarser foliage. **15 to 18 inches, $3.00 per 100, $25.00 per 1,000.**

**RUSSIAN OLIVE**—A native of the Northwestern plains. The foliage is silvery white, the flowers small, yellowish, produced very abundantly. Perfectly hardy, and resists drought and heat in a remarkable degree. By cutting back each season, it forms a very compact, dense hedge of most beautiful appearance. **12 to 15 inches, $5.00 per 100, $40.00 per 1,000; 18 to 24 inches, $8.00 per 100.**

## Evergreen Hedge Plants.

**AMERICAN ARBOR VITAE—8 to 10 inches, $4.00 per 100.**
**AUSTRIAN PINE—8 to 10 inches, $5.00 per 100.**
**SCOTCH PINE—8 to 10 inches, $5.00 per 100.**
**DOUGLAS SPRUCE—8 to 10 inches, $5.00 per 100.**
**NORWAY SPRUCE—8 to 10 inches, $4.00 per 100.**
**HEMLOCK SPRUCE—8 to 10 inches, $4.00 per 100.**
**RED CEDAR—8 to 10 inches, $4.00 per 100.**

## Forest Tree Seedlings.

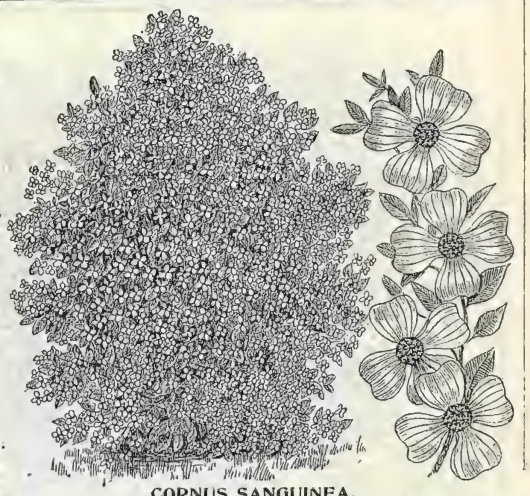
These are all cultivated, nursery grown stock, with good roots and are far superior to many of the seedlings pulled from forests and river bottoms, with few if any roots, such as are offered by many nursery men, and sold through agents. They are intended for planting groves, tree claims, wind breaks, etc., and are always sent by express or freight at purchasers expense.

**BOX ELDER—75c per 100, $6.00 per 1,000.**
**BOX ELDER—6 to 10 inches, 50c per 100, $4.00 per 1,000.**
**COTTONWOOD—50c per 100, $4.00 per 1,000.**
**CATALPA SPECIOSA—First size, $1.00 per 100, $8.00 per 1000. Extra large, $2.00 per 100, $15.00 per 1,000.**
**ELM AMERICAN—$1.00 per 100, $8.00 per 1,000.**
**MAPLE, SOFT—$1.00 per 100, $8.00 per 1,000.**
**MULBERRY RUSSIAN—$1.25 per 100, $10.00 per 1,000.**
**WHITE ASH—$1.00 per 100, $8 00 per 1,000.**

# FLOWERING AND ORNAMENTAL SHRUBS.

The beauty of a modern home does not depend so much on stately columns, skill of architecture and decorated walls as on the surroundings. The humblest cottage sometimes surpasses in real beauty the marble palace of the millionaire, because it is embellished with nature's own beauty, in trees and shrubs, clambering vines and graceful flowers. In the proper adornment of a home there is nothing to surpass in beauty the flowering shrubs and ornamental plants, climbing vines, etc., which give a finishing touch to all artificial embellishment. The list which we offer is the cream of the entire line for foliage and flowers, everything hardy and adapted to all sections of the country. Flowering shrubs appear to best advantage when planted in groups of a dozen or more. They may also be planted to advantage singly and by a judicious selection of varieties a succession of bloom is afforded all summer. In laying out new grounds, shrubs should be used extensively, as they make a beautiful display the first season. **All mail size stock will be sent postpaid at price quoted, all others by express or freight, at purchaser's expense. Dozen price 10 times single price.**

DOUBLE ALTHEA.



CORNUS SANGUINEA.

**Almonds.** Beautiful, dwarf growing shrubs, with handsome double flowers set closely on the twigs in great abundance before the leaves appear in spring. **2 to 3 feet, 50c each.**

**DOUBLE PINK.**—Handsome, bright pink flowers

**DOUBLE RED.**—A very attractive shade of color.

**DLUBLE WHITE.**—Pure white blossoms.

**Althea.** (Rose of Sharon) (See cut.) These are fine, hardy, free-growing and free-flowering shrubs, which bloom from August till October, when few other plants are in flower. They attain a height of 6 to 10 feet and are very attractive when in full bloom. **Mail size 25c, 18 to 24 inches, 35c.**

**DOUBLE ORANGE.**—A bright orange color, very distinct and handsome.

**DOUBLE PURPLE.**—A fine variety of very vigorous growth. Flowers large, very double and of a beautiful reddish-violet color.

**DOUBLE WHITE.**—The surpassing beauty of this grand variety beggars any description. It blossoms the second season after planting, every leaf and twig bringing forth large double pure white blossoms in the greatest profusion imaginable. They are produced for several weeks in succession, remain on the plant a long time after opening and for beauty and chasteness are not surpassed by any flower grown.

**SINGLE RED.**—The single blossoms as a rule are handsomer than the double but quickly fade away. This is a large, bold, attractive flower of a bright red color, rendering it very conspicuous when first opened.

**SINGLE WHITE.**—The large, pure white blossoms are very attractive.

**VARIEGATED LEAF.**—This variety has very distinct, ornamental foliage. The leaves are variegated green and light yellow, a very happy contrast and rendering the plant very attractive on the lawn. The blossoms are double purple and very fine.

**MIXED SORTS.**—Through some oversight these became mixed and we are unable to separate them. They are extra fine and we offer them to close out 18 to 24 inches @ 25c

CALYCANTHUS.

**Cornus Sanguinea.** (Red Twig Dogwood.) (See cut.) Independent of its blossoms, which are very striking, the bark of this grand shrub is so handsome and attractive as to merit it a place in every collection. It is a bright showy red, becoming more pronounced as winter approaches and contrasting finely with the snow and the evergreens. It forms a good sized shrub which is covered in early spring with a great profusion of yellow flowers. Being perfectly hardy it is adapted to all sections and being ornamental in winter as well as in summer it is one of those rare combinations of nature's beauties so seldom found. **2 to 3 feet, 50c.**

**CURRANT, CRIMSON FLG.**—Well known and desirable on account of its handsome crimson flowers produced in spring, followed by fruit in summer. **18 to 24 inches, 25c.**

**Calycanthus.** (Sweet Shrub.) (See cut.) This is very desirable on account of the peculiarity and very pleasing fragrance of its wood; its foliage is rich and flowers are of a rare chocolate color, with an agreeable strawberry odor. The Calycanthus blossoms in June and at intervals through the summer. When full grown, 6 to 8 feet high. A most peculiar shrub and flower and one that is sure to please. It is perfectly hardy here and should be included in all collections. **Mail size, 15c, 18 to 24 inches, 25c; 2 to 3 feet, 50c**

**Deutzias.** This valuable species of plants comes to us from Japan, which insures its beauty and hardiness. The shrubs are hardy, vigorous, adapted to all soils and remarkable for grace, beauty and prodigal bloom. The taller varieties are valuable for specimens while the low ones are admirably adapted for borders, grouping or planting near the house. The flowers are tassel like and clustered into thick wreaths along their drooping branches in June.

**CANDIDISSIMA.**—A new and handsome variety with very large, double, pure white blossoms, produced in the greatest abundance. **Mail size, 15c; 12 to 15 inches, 25c; 24 to 30 inches, 50c.**

DEUTZIA, Pride of Rochester.

**CRENATA.**—A most beautiful, pure white, single flowered variety that blooms very lavishly in early June. **Mail size, 15c; 18 to 24 inches, 25c.**

**DOUBLE ROSE COLORED.** — Exquisite flowers of double rosette shape, tinged with soft pink. **Mail size, 15c; 18 to 24 inches, 25c**

**GRACILIS.**—(See cut.)—The handsomest of all the Deutzias, and one of the very best in our entire list. It forms a low, round, compact bush, which is literally smothered with blooms in early summer. The flowers are single, pure white, and borne in the greatest lavishness imaginable, every branch and twig bearing its precious load of beautiful purity. It is unsurpassed for lawn purposes and is largely used by florists for forcing for Easter decorations. **Mail size 15c; 18 to 24 inches, 25c; 2 to 3 feet, 50c.**

**PRIDE OF ROCHESTER.**—(See cut.)—This sort is a strong grower, has large flowers, large panicles of bloom, produces them freely, and is perfectly hardy everywhere. The blossoms are double white, delicately tinged with pink. **Mail size, 15c; 18 to 24 inches, 25c; 2 to 3 feet, 50c.**

**SCABRA.**—(Rough Leaved.) Flowers are pure white, single, bell-shaped, produced profusely in small bunches. **Mail size 15c; 18 to 24 inches 25c.**

DEUTZIA GRACILIS.

GOLDEN ELDER.

**DEUTZIA, WATERI**—A Perfectly hardy everywhere. A grand variety, with very large, single pink blossoms, borne in large, loose racemes. **Mail size, 15c; 18 to 24 inches, 25c.**

**BERBERRY, PURPLE** — The foliage is a deep violet purple and can be used with charming effect when grouped with golden leaved plants on the lawn. It is equally valuable as a single specimen plant, while as an ornamental hedge, it is not equaled by any variety grown. It grows to a height of 3 to 4 feet, produces yellowish-white flowers in June, and is covered in the fall with small berries the color of the foliage. It is perfectly hardy everywhere, never affected by insects or disease and presents a clean handsome appearance at all times. **Mail size, 15c, 18 to 24 inches, 20c; 2 to 3 feet 30c.**

LILAC, JOSIKEA.

**BERBERRY, THUNBERGII**—A unique and charming Japanese variety, that forms low, dense, neat bushes, which produce a profusion of white flowers in May. In early autumn it is all aglow with scarlet leaves and berries, the latter clinging to the branches throughout the winter. **Mail size, 15c; 15 to 18 inches 25c.**

**CLETHRA ALNIFOLIA**—(Sweet Pepper Bush.) A Very hardy, neat, upright-growing shrub, not only valued for its beauty and sweetness, but is in demand for the honey-bee to feed upon. Blooms every season producing pure white fragrant flowers in spikes 3 to 6 inches long. **18 to 24 inches 25c; 2 to 3 feet 50c.**

**EXOCHORDA GRANDIFLORA**—(Pearl Bush.) A vigorous growing shrub, forming a neat, compact bush 10 to 12 feet high. The pure white flowers are borne in slender racemes of 8 to 10 florets each. **Mail size, 15c; 2 to 3 feet, 50c.**

## Elder, Golden.

(Sambucus Aurea.) Introduced from Holland and worthy of a place in every collection. When the leaves first appear they are bright green, but if planted where they will have plenty of sun they soon change to a golden green. The blossom, which resembles the common Elder bloom, appears in July. The best effect is produced when they are planted with other shrubs, so that the foliage may be rendered more conspicuous by the contrast. Its perfect hardiness adapts it to all sections, while its bright, golden foliage renders it of especial value at all times. **Mail size, 15c; 2 to 3 feet, 50c; 3 to 4 feet, 75c.**

**FILBERT, PURPLE LEAF**—A vigorous growing shrub, with large, deep purple leaves, producing good, edible fruit. **Mail size, 25c.**

**FORSYTHIA, SUSPENSA**—One of the best early flowering shrubs. It bursts into bloom before any other tree or shrub shows a leaf, producing glorious masses of golden yellow, drooping flowers, which are exceedingly cheery and welcome at that season. **18 to 24 inches, 25c; 2 to 3 feet, 50c**

## Fringe, Purple.

(Smoke Tree.) A very elegant and ornamental large shrub, with curious, hair-like flowers, which, being of a pinkish brown color, give it the name of "Purple Fringe" and "Smoke Tree." It forms a round, bushy symmetrical head growing from 10 to 12 feet high. The blossoms come in July and remain all summer literally covering the bush. **18 to 24 inch, 25c; 2 to 3 feet, 50c.**

## Fringe, White.

A large shrub or small tree, with large, heavy leaves almost hidden in spring, by a thick mist of fragrant, drooping white flowers. When planted against evergreens it is one of our very choicest lawn ornaments. As single specimen plants they are most beautiful. Oftentimes the fringe or blooms come with the leaves in spring, their delicious odor perfuming the air for a long distance around the plant. **Mail size, 15c; 15 to 20 inches, 25c; 24 to 30 inches, 50c.**

WHITE FRINGE.

## Honeysuckle.

**Pink Tartarian.** This delightful old variety is still one of the finest and most popular grown. It grows from 6 to 10 feet in height, forms an upright, compact head of green in early spring, thickly covered with handsome pink flowers in May, which are followed by bright, orange colored berries in the fall. It is absolutely hardy, never winter-killing in the least, is never affected by insects, and is a most beautiful shrub throughout the entire season. **Mail size, 15c; 2 to 3 feet, 25c; 3 to 4 feet, 50c.**

## Honeysuckle.

**White Tartarian.** Identical with the above, except in color, it being a pure white, rendering it, when in bloom, even more attractive than the pink. **Mail size, 15c; 2 to 3 feet, 50c.**

## Hydrangea Paniculata.

(See Cut page 103.) This is the grandest shrub ever introduced and more worthy of general cultivation than any other in our entire list. It comes from Japan, the land of so many good things in the fruit, plant and shrub line. It thrives in all sections of the country and comes into bloom in August, when all other shrubs are through flowering. It grows from 8 to 10 feet in height producing great pyramidal panicles of bloom a foot in length and 6 to 10 inches in diameter, which are at first pure white, then gradually changing to pink. The blooms dry up like "Everlastings," and can be cut off and kept in the house all winter. It is as hardy as the Native oak, never kills back and is adapted for any place where a handsome flowering plant is wanted.

HONEYSUCKLE TARTARIAN.

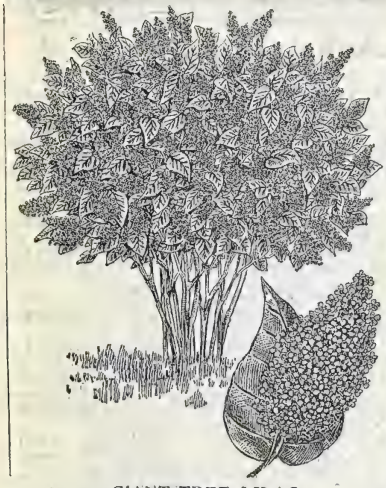
As single specimen plants on the lawn, in groups or clumps, for borders, for ornamental divisions of city lots, and for many other positions, it readily suggests itself. Its handsome flowers develop about August first, and retain their beauty till winter, clinging to the plant long after the leaves have fallen.

To obtain the best results with this noble variety, it should be severely pruned back each season. Flowers are made on the new wood, and the closer it is trimmed back the stronger the new growth and blooms will be. We have seen specimens of this grand plant carrying over 500 large, showy blossoms. Mulch the ground thoroughly around the plant, never allow it to dry out and give it a great abundance of water during the flowering period. **Mail size, 15c each; 12 to 18 inches, 20c each; $2.00 per doz., $12.50 per 100; 18 to 24 inches, 25c each; $2.50 per doz., $18.00 per 100; 2 to 3 feet, 50c each, $5.00 per doz.**

**HOP TREE**—A pretty, shrub-like tree, that bears clusters of white flowers in June, followed by showy hop-like, winged seed clusters in fall; of rapid growth and hardy, robust nature. **12 to 18 inches, 15c; 2 to 3 feet, 25c; 3 to 4 feet, 50c.**

**KERRIA, JAPONICA**—(Globe Flower.) A graceful, slender shrub, growing 4 to 5 feet high, producing in great abundance double, yellow, globe-shaped flowers from early summer till autumn. **Mail size, 15c; 18 to 24 inches, 25c.**

PURPLE FRINGE.



GIANT TREE LILAC.

## LILACS.

The old purple and white lilacs, mingled with the memories of our school days, presenting when in bloom a most tempting appearance on the lawn, and filling a room with their delightful odor when cut, are still cherished and beautiful, and will forever hold a place dear to the heart of every one who has grown or seen them. Perfectly hardy, requiring no care or attention after planting and certain of yielding a rich harvest of bloom each season, they are most desirable for lawn planting. In the newer varieties of recent introduction, we still have the same hardy, robust nature and freedom of bloom, and in addition some of the most exquisite shadings of color, larger flowers and more beautiful forms.

**BELLE DE NANCY** — A robust grower, forming nice rounded tops in a short time. Blooms very late producing very large, double, light purplish blooms, tinged with blue, lighter towards the centre. **Mail size, 15c; 18 to 24 inches, 40c.**

**CHAS. X**—A strong, rapid grower with large, handsome shining leaves. Produces large trusses of reddish purple blossoms, which are very attractive. **Mail size, 15c; 18 to 24 inches 40c.**

**Giant Tree Lilac.** This is a most magnificent and beautiful variety from Northern Japan, the finest sort ever introduced. The blossoms are borne in immense panicles, 18 to 20 inches long, pure white and very fragrant. They come into flower a month later in the season than other varieties and are particularly valuable on this account. It forms a tree 20 to 30 feet high, with large, leathery, dark green leaves. **Mail size, 25c; 12 to 18 inches, 40c; 2 to 3 feet, $1.00.**

**JAPAN SEEDLINGS**—These are unnamed seedlings grown from the choicest Japanese varieties. They have not bloomed very extensively with us, but we know there are many choice sorts to be found among them. Some of the best kinds have been obtained in this manner, and out of the lot which we have, we expect to place a number of new sorts on the market in a short time, as soon as their character is fixed and definite. They are all distinguished by their sturdy, robust growth, their large, shining leaves and their great hardiness. You will make no mistake by buying a few at the low price at which they are now offered. **18 to 24 inches, 25c; 2 to 3 feet, 50c.**

JAPAN QUINCE

**Josikea.** **Hungarian.** (See Cut page 102.) A very fine distinct species, of tree-like growth, with dark, shining leaves and purple flowers in June, after the other sorts are through blooming. Particularly esteemed for its fine habit and foliage **Mail size, 25c; 18 to 24 in., 40c.**

**Quince, Japan.** (**Pyrus Japonica.**) The large, brilliant, scarlet flowers are among the first blossoms in spring, and they appear in great profusion, covering every branch, branchlet and twig, before the leaves are developed. The foliage is bright green and glossy, and retains its color the entire summer, which renders the plant very ornamental. Special attention is invited to this plant for ornamental hedges. It is sufficiently thorny to form a defense, and at the same time makes one of the most beautiful flowering hedges. As single specimen shrubs on the lawn, it is very attractive and is also especially adapted for the edges of borders or groups of trees. **Mail size, 15c; 18 to 24 in., 25c; 2 to 3 feet, 50c**

PURPLE LEAF PLUM.

**Snowball.** (**Viburnum.**) These give the same showy effect in spring that the Hydrangeas do in the fall. They are all large, hardy, quick-growing shrubs, valuable for screens, groups and specimens.

**COMMON**—(**Sterilis.**) The old, well known and highly esteemed variety. Attains a height of 10 to 12 feet. Blooms the latter part of May. Used extensively for decorating, especially on Memorial Day. Flowers, pure white, large balls frequently borne in clusters of five or six. **Mail size, 15c; 18 to 24 inches, 25c; 2 to 3 feet, 50c.**

HYDRANGEA.

**MAD. CHATENAY**—A new and desirable kind from France. Blossoms pure white, very double, produced in large showy panicles. **Mail size, 25c; 18 to 24 inches, 40c.**

**MARIE LE GRAY**—Superb, creamy white flower plumes, of great size. Bush of dwarf compact growth and attractive foliage. Extra choice and valuable for forcing. **Mail size, 25c; 18 to 24 in., 40c.**

**MARIE LE PAGE**—Another handsome double white sort. Somewhat larger in growth than Marie Le Gray, but characterized by a great profusion of bloom, in mammoth panicles. **Mail size, 25c; 2 to 3 feet, 75c.**

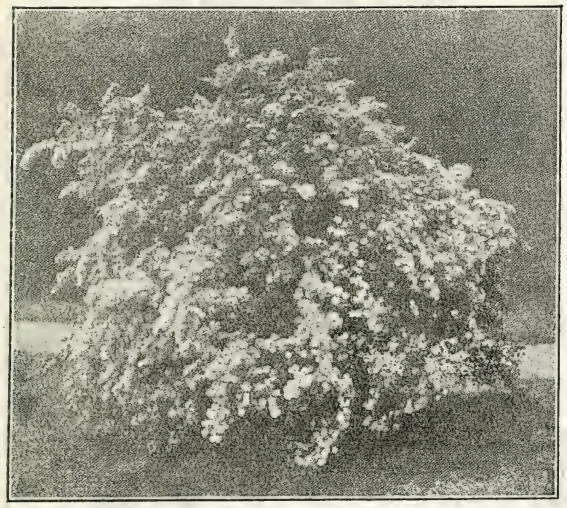
**COMMON WHITE**—The old but much admired variety. **Mail size, 10c; 18 to 24 inches, 25c; 2 to 3 feet, 50c.**

**COMMON PURPLE**—Always handsome and always reliable. **Mail size, 10c; 12 to 18 inches, 15c; 18 to 24 inches, 25c; 2 to 3 feet, 50c.**

**Prunus Pissardi.** (**Purple Leaf Plum.**) The finest purple-leaved small tree or shrub of recent introduction. The young branches are a very dark purple, the leaves, when young, a lustrous crimson, changing to a dark purple, which color they retain until they drop in fall. The small white blossoms completely cover the plant in early spring, at which time it is most beautiful. It is fine for specimen plants, on the lawn or for groups, affording a fine contrast with other trees and shrubs. Winter pruning gives stronger shoots and darker leaves. **Mail size, 15c; 3 to 4 feet, 50c; 4 to 5 feet, 75c.**

**PLUM DOUBLE FLOWERING**—A very desirable, handsome shrub introduced from Japan. Flowers semi-double, an inch or more in diameter, of a delicate pink tint, set thickly on the twigs and produced in early spring. A most handsome ornament to any lawn. **3 to 4 feet, 50c.**

SNOWBALL.



BRIDAL WREATH.

SPIREA BILLARDI—One of the prettiest in the list. Bears handsome spikes of pink blossoms nearly all summer. **12 to 18 inches, 15c; 18 to 24 inches, 25c; 2 to 3 feet, 40c**

## Syringas.

(Mock Orange) These shrubs bloom in June, after the Weigelias. They are hardy, robust, have handsome leaves and large, clustered, milk white, fragrant flowers. The tall growing sorts blossom profusely and are unsurpassed in their season. The dwarf kinds do not bloom so much, but are pretty and compact little shrubs, valuable for their bright leaves.

CORONARIUS—A medium sized shrub, bearing an abundance of white, sweet-scented flowers, the last of May. **Mail size, 15c, 3 to 4 feet, 50c.**

GOLDEN—A brilliant little shrub, with bright golden leaves, retaining its color throughout the entire season. Grouped with green and purple leaved shrubs it produces fine effects. **Mail size, 15c; 12 to 18 inches, 20c; 2 to 3 feet, 40c; 3 to 4 feet, 60c.**

GORDON'S—Blooms very profusely about ten days later than the other sorts. Of fine habit. **18 to 24 inches, 25c**

GRANDIFLORA—A large shrub, with recurved branches laden with large, showy flowers, slightly fragrant. **Mail size, 15c.**

COLUMBIANA—One of the best in the whole list. Of good size and habit. Blooms very profusely. **Mail size, 15c; 2 to 3 feet, 40c; 3 to 4 feet, 50c.**

ZEHERI—A large flowered odorless variety, blossoming very late. **Mail size, 15c; 18 to 24 inches, 25c; 2 to 3 feet, 40c.**

## Tamarix.

Fine feathery foliage like that of the Juniper; valuable in sand or soil where most shrubs will not do well. **Mail size, 15c.**

## Weigelias.

These shrubs bloom after the Lilacs, in June and July. They make a strong growth, erect when young, gradually spreading and drooping into most graceful shape with age. Their large flowers are of wide, trumpet-shape, of all colors from white to red, and borne in clusters thickly all along their branches. Used for borders, groups, immediate effects and low screens.

ABEL CARRIERRE—Bright rose. A choice sort. One of the best. **2 to 3 feet, 40c.**

AMABILIS—Of robust habit, large foliage and pink flowers. Blooms freely in autumn. A great acquisition. **2 to 3 feet, 40c.**

CANDIDA—Considered by many the best of all An erect, vigorous grower, producing in the greatest profusion in June, and continuing throughout the summer, large, pure white blossoms of rare beauty. **Mail size, 15c; 18 to 24 inches, 25c; 2 to 3 feet, 40c**

EVA RATHKE—A charming new variety, with brilliant crimson flowers. A distinct, clear and beautiful shade of color **Mail size, 15c; 12 to 18 inches, 20c; 18 to 24 inches, 25c.**

HORTENSIS NIVEA—Flowers, pure white; foliage large, habit vigorous; a profuse bloomer. **2 to 3 feet, 40c.**

KOST VARIEGATA—Of dwarf, compact growth; leaves bordered with yellow, flowers deep rose, very fine. **Mail size, 15c.**

ROSEA NANA VARIEGATA—One of the most conspicuous shrubs that we cultivate; leaves beautifully margined creamy white; flowers pink. It is a dwarf grower and admirably adapted to small lawns or gardens. Unsurpassed for ornamental hedges and most beautiful at all times. **Mail size, 15c; 18 to 24 inches, 25c; 2 to 3 feet, 40c.**

ROSEA—Bears a great abundance of rose colored flowers in May. Introduced from China and particularly valuable for specimens. **Mail size, 15c; 2 to 3 ft., 25c.**

SIEBOLDI—When the leaves are young the variegation is yellow. When they mature it becomes silvery white. Rose colored blooms. A handsome variety. **12 to 18 inches, 25c.**

## SNOWBALLS—Concluded.

HIGH BUSH CRANBERRY—(**Opulus**) Both ornamental and useful. It produces large red berries resembling cranberries, which are esteemed by many for pies, jellies, etc. These hang on the plant until killed by frost and are at all times beautiful. **Mail size, 20c; 18 to 24 inches, 40c.**

JAPANESE SINGLE—(**Tomentosum**) A most beautiful new variety from Japan. Flowers, single, pure white, borne along the branches in flat cymes, in the greatest profusion in early June Perfectly hardy, vigorous, free blooming and well adapted for lawn work. **Mail size, 25c; 18 to 24 in., 40c.**

JAPANESE DOUBLE—(**Plicatum.**) This Japanese variety of the old-fashioned Snowball is one of the most valuable of our hardy shrubs. It forms an erect, compact shrub six to eight feet high; blooms in June and for a long time is a solid mass of white, the plants being completely covered from the ground to the top of the branches, with large balls of flowers white as snow. **Mail size, 25c; 15 to 18 inches, 50c**

SNOWBERRY—A most beautiful little shrub, producing a profusion of pink flowers in early summer, and large, white, waxen berries in autumn. **Mail size, 15c; 18 to 24 inches, 25c; 2 to 3 feet, 50c.**

## Spireas.

Some varieties of this class of shrubs are in bloom nearly all the season. All kinds have a riotous extravagance of bloom that renders them very attractive. They are so varied in flower, leaf and growth that monotony from planting too many kinds is impossible. They are hardy and are easily grown in all situations. A collection of all the different varieties which we offer will give much pleasure.

ANTHONY WATERER—Makes a dwarf bush 18 to 24 inches high, covered from spring till late in the fall with large heads of crimson flowers. Perfectly hardy. Grand for border to taller growing shrubs, single specimen plants for the lawn or for winter and spring blooming in pots. **Mail size, 15c; 12 to 15 inches, 25c; 18 to 24 inches, 40c.**

ARIAEFOLIA—Very dense and bushy Entirely hidden by masses of white flowers in July. **12 to 18 inches, 20c; 2 to 3 feet, 40c.**

CALLOSA ALBA—A dwarf variety having pure white flowers in the greatest profusion. Very desirable on account of its dwarf habit and free flowering; keeps all summer. A fine companion to A. Waterer. **Mail size, 15c; 12 to 15 inches, 25c.**

CRATAEGIFOLIA—A distinct, handsome, hardy variety. Produces pure white blossoms in great profusion. **Mail size, 15c; 2 to 3 feet, 40c.**

LEMOINEI SYRINGA.

DOUGLASSI—Flowers of a beautiful rose color, massed on long spikes in July and August. **12 to 18 inches, 15c; 18 to 24 inches, 25c; 2 to 3 ft. 40c.**

GOLDEN—This is one of the most effective shrubs for a lawn; foliage green, bordered with a rich golden yellow; very distinct and beautiful, particularly in June, when the branches are covered with double white flowers. **2 to 3 feet, 40c; 3 to 4 feet, 60c**

OPULIFOLIA—Very strong in growth and large in leaf. Blossoms in white, flat clusters along the branches. **Mail size, 15c; 3 to 4 feet, 60c.**

## Prunifolia.

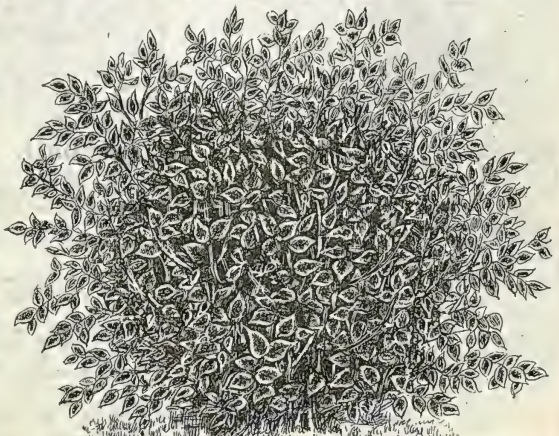
**Bridal Wreath.** (See Cut.) A most beautiful variety from Japan. Perfectly hardy, of vigorous growth and very free flowering. Produces in greatest abundance pure white, daisy-like flowers in May Remains in bloom a long time and justly merits to be placed in the front rank of flowering shrubs. **Mail size, 15c; 18 to 24 inches, 25c; 2 to 3 feet, 40c.**

THUNBERGI—Of dwarf habit and rounded graceful form; branches slender and somewhat drooping; foliage narrow and yellowish green; flowers small, white, appearing early in spring. Forces well in winter. **Mail size, 15c; 12 to 18 inches, 20c.**

VAN HOUTTI.—One of the most charming and beautiful of the Spireas, having pure white flowers in clusters or panicles an inch in diameter Astonishingly profuse in bloom, and plants remarkably vigorous and hardy. But recently introduced from France, and considered by many the finest flowering shrub in cultivation. **Mail size, 15c; 12 to 18 inches, 15c; 18 to 24 inches, 25c; 2 to 3 fee,t 4co**

## Syringa Lemoinei.

It is strong and vigorous in growth, very compact and shapely, producing flowers from the ground to tip of branches Flowers creamy white, very fragrant, making it one of the finest hardy shrubs for massing or individual specimen plants. **Mail size, 15c; 18 to 24 inches, 25c; 2 to 3 ft. 40c.**



WEIGELIA NANA VARIEGATED.

CLEMATIS JACKMANNI.

# HARDY, ORNAMENTAL VINES.

Climbing Vines are as necessary to the comfort and beauty of a home as the trees and shrubs we plant about it. Indeed, nothing so quickly tones down the roughness of a new place as some of our rapid climbers. Before the trees are large enough to afford either shelter or coolness, vines will hide ugly walls or fences and screen sunny porches. We offer the most desirable hardy sorts, and recommend a free use of them. **All plants quoted here sent by mail at prices named. Dozen lots sent by express at purchaser's expense at 10 times price of single plants.**

**ACTINIDIA.**—(Silver Sweet.) The foliage resembles the Lilac. On the ends of the flowering shoots, the third season it changes to a silvery white color giving the effect of large white flowers among the green leaves. The blossoms appear in June, are creamy white, with bright yellow anthers, and a fragrance resembling the Lily of the Valley. **1 year, 25c; 2 years, 50c.**

**AMPELOPSIS QUINQUEFOLIA.**—(Virginia Creeper.) The well known, hardy native climber. **1 year 15c, 2 years 25c, 3 years 30c.**

CLEMATIS COCCINEA.

**Clematis.** There is nothing in the line of climbing plants or vines that surpasses the Clematis in gracefulness of foliage and beauty of blossom. When given proper care and attention they make a very rapid growth and well repay the care and labor bestowed upon them. They require a deep soil richly fertilized. Most varieties are benefitted by a slight protection during the first two or three winters. **Unless otherwise noted, 1 year 25c, 2 years 50c.**

**Coccinea.** (See cut.) Bell shaped flowers of an intense scarlet color. A very free bloomer, the flower being of unique form. This variety should be in all collections. **1 year 15c, 2 years, 25c.**

**FLAMULA.**—European sweet scented. Small, white, deliciously fragrant flowers, produced in great profusion. Plant perfectly hardy everywhere. **1 year 15c, 2 years 25c.**

**HENRYII.**—The best large flowering white variety.

**Jackmanni.** The best of all the large flowering varieties. Color a deep violet purple. A strong rampant grower succeeding well in all locations and perfectly hardy everywhere.

**Mad. Ed Andre.**—Flowers large, velvety red.

**Paniculata.** **Hardy in all parts of the United States** The blossoms are purewhite, very fragrant and borne in great bunches or clusters, covering the plant so completely as to almost hide from view the rich glosy green foliage. **1 year, 15c; 2 years, 20c; extra heavy, 25c.**

**Ramona.**—A most rampant grower, fully 3 three times as strong as the Jackmanni. The blooms are the largest of any variety grown, often measuring 6 to 7 inches in diameter of a very deep sky blue, distinct from any other kind and very attractive. **1 year, 25c; 2 years, 50c.**

**DUTCHMAN'S PIPE.**—A rapid growing vine with very large heart-shaped leaves of a green color, making a dense shade. The flowers are of brownish color. **1 year, 15c; 2 years, 25c**

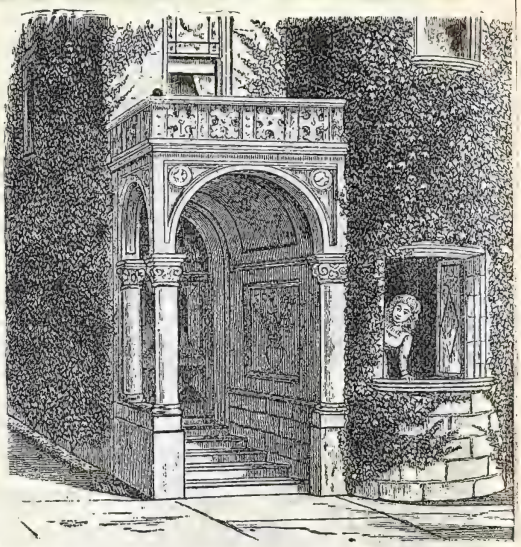
**Honeysuckles.** These loved old vines have lately been put to a number of new uses, especially in the line of coveringhedges and bare patches of ground on banks and under trees where grass will not grow. For porches, trellises and arbors they have always been popular. In sheltered places they are nearly evergreen. **1 year, 15c; 2 years, 25c.**

**Chinese Twining.**—One of the best and most useful varieties. Produces continuous crops of sweet buff and white blossoms. Holds its foliage till late in winter.

**Goldleaf.**—Has bright yellow leaves veined with green, and produces great clusters of fragrant, cream colored flowers.

**HALLS JAPAN.**—One of the finest honeysuckles grown. Blooms from June till November, is almost everygreen; produces fragrant blossoms, white changing to yellow.

**SCARLET TRUMPET.**—The most brilliant variety of all. Produces thick clusters of long, tubular, scarlet blossoms and bluish green leaves.



**Ampelopsis Englemanni.** (Engleman's Ivy) All things considered, this is the hardiest and best climber for the North and Northwest ever introduced. The foliage resembles the Virginia Creeper but the vines cling closely to brick walls, etc. by means of small disc like feet, or climbers like the Japan Ivy. **1 year, 15c; 2 years, 30c; extra heavy, 3 years, 40c.**

**AMPELOPSIS VEITCHI.**—(**Japan or Boston Ivy.**)—A rapid grower, with small, purplish green leaves, which change in autumn to beautiful tints of crimson and orange. **1 year, 15c; 2 years. 25c.**

**BIGNONIA RADICANS.**—(**Trumpet Flower.**) An excellent vine with handsome lance shaped leaves. The flowers are orange and scarlet **1 year, 15cc: 2 years, 25c.**

**BITTER SWEET.**—(**Celastrus**) A very hardy native twining vine with yellow flowers, followed by clusters of orange-scarlet berries. **1 year, 15c; 2 years, 20.**

**Wistarias.** These require a deep, rich, well manured soil and respond very readily to generous treatment. They require protection in the extreme north. Flowers are borne in large, pendulous clusters, remaining inbloom a long time. **1 year, 25c; 2 years, 35c**

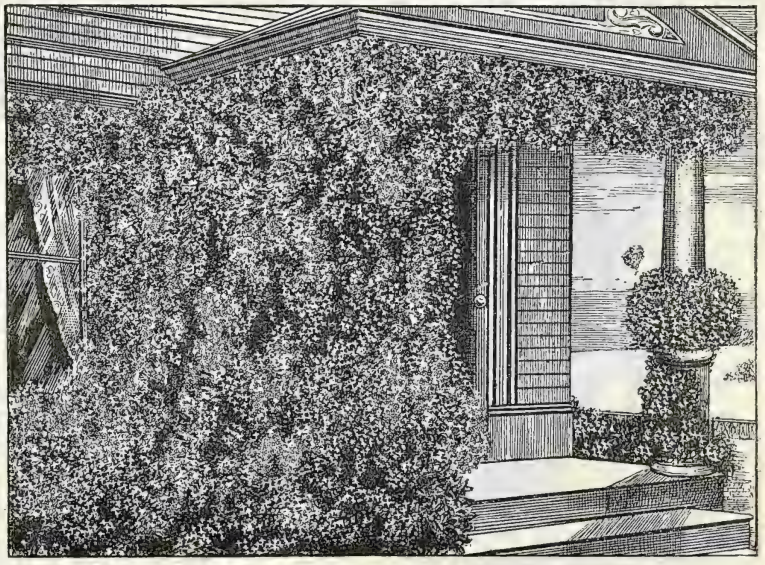
**SINGLE PURPLE.**—Blooms of a pale lilac color.

**DOUBLE PURPLE.**—A charming variety, with double flowers, deeper in color than the single.

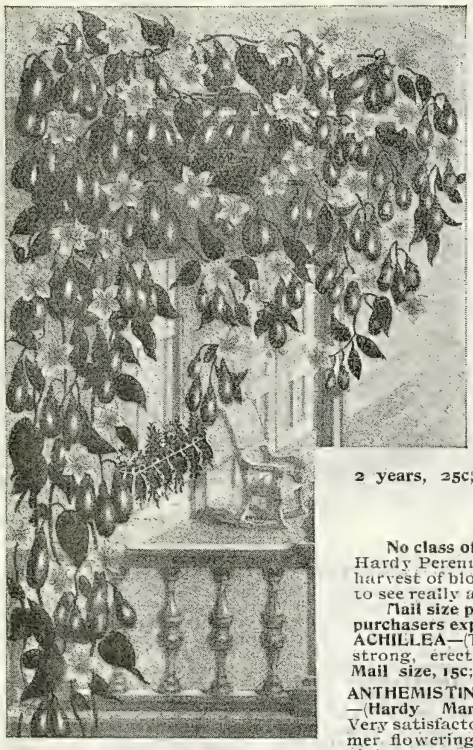
**SINGLE WHITE.**—Flowers clear white; bunches short.

**DOUBLE WHITE.**—Double blossoms, in large racemes.

**CHINESE BLUE**—Long clusters of pale blue flowers.



CLEMATIS PANICULATA.

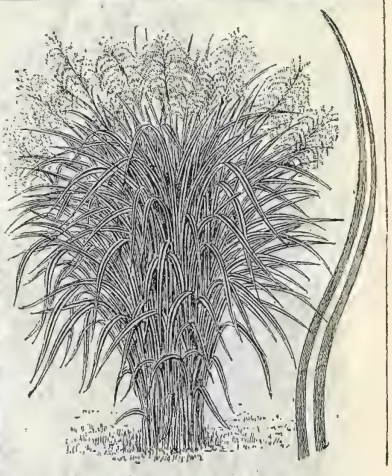


MATRIMONY VINE.

## MATRIMONY VINE.

(LYCIUM CHINENSIS.)

This is a most vigorous, hardy, climbing plant when trained to an arbor fastened to a fence, attached to a tree, to, the side of a house, the pillars of a piazza, or in any location where a quick growing hardy climber is desired. It sends out numerous branches so that it covers a great amount of space in a short time, and every new growth is at once covered with flowers, which are succeeded by beautiful berries nearly an inch long, every branch being loaded down with them. It continues flowering and new berries are forming from late spring until frost. The berries ripen in early autumn and remain on the vine until the early winter. It will grow and thrive in any situation, either shade or bright sunlight and will take root in any soil. Valuable as it is for covering fences, etc., it is even more desirable for clambering over stone walls, bare rocks or unsightly banks, covering them quickly with bright green foliage and later on rendering them objects of beauty with its wealth of purple flowers and scarlet berries. **1 year, 15c; 2 years, 25c; extra strong, 3 and 4 years, 25c, by express.**



EULALIA VARIEGATED.

# HARDY PERENNIALS.

**No class of plants** will yield better or more pleasing results for the money invested than these Hardy Perennials. They require but very little care or attention, are perfectly hardy and yield a rich harvest of bloom on the lawn. Until this class of plants comes into more general use, we cannot hope to see really artistic gardens in this country.

**Mail size plants are sent postpaid at prices quoted. All others are sent by express or freight at purchasers expense. Dozen rate ten times single rate. Special prices given on application on large quantities.**

**ACHILLEA—(The Pearl.)** Pure white blooms borne in the greatest profusion the entire summer, on strong, erect stems, 2 feet high. Fine for cut blooms and unsurpassed as a border plant. **Mail size, 15c; extra size, 25c.**

**ANTHEMIS TINCTORIA.—(Hardy Marguerite.)** Very satisfactory summer flowering perennials, succeeding in the poorest soil, growing about 15 inches high and blooming continuously during the summer. Of dense bushy growth with large, golden yellow flowers. **Mail size, 10c; extra size, 15c.**

**AQUILEGIA OR COLUMBINE**—In foliage, flowers and stems the Columbines have an air of classical elegance that gives them a high rank among Perennials. They grow about 2 feet high and succeed in any good garden soil. **Mail size, 15c; extra heavy, 25c. The set of six, 75c.**

**Coerulea**—This is the true blue form of the Rocky Mountain Columbine; one of the handsome sorts grown.

**Chrysantha**—The beautiful golden spurred "Columbine." Golden yellow blossoms.

**Chrysantha Alba**—A beautiful white flowered form of the above.

**Glandulosa**—A lovely shade of blue and white.

**Hybrida**—Grown from the best imported seed. Many of these are of surpassing beauty.

**Vulgaris Alba**—A most beautiful, double white variety.

**ASTERS, ALPINUS**—Showy, free blooming plants, commencing to flower early in the season and continuing till killed by frost. Blossoms bluish purple, 2 inches or more across. Grows about 8 inches high. **Mail Size 15c.**

YUCCA.

**DELPHINIUM—(Larkspur.)** These are among the most satisfactory plants that can be grown in the herbaceous garden, producing their long, showy spikes of bloom continuously from June till late in fall, if the precaution is taken to remove the flower stems before they produce seed. **Mail Size 15c.**

**Elatum—(Bee Larkspur.)** Of medium height, with clear blue flowers in large, branching racemes.

**Formosum**—The old favorite, dark blue variety in bloom from June till November.

**Hybridum**—Choice mixed varieties, grown from the best imported seed. A collection of these planted in clumps is very attractive.

**DIELYTRA—(Bleeding Heart.)** An old-fashioned favorite of rare grace and beauty. Flowers are heart-shaped, of a rose-crimson color produced in spring in long, drooping racemes. One of the prettiest of border plants, useful for indoor forcing, and unexcelled for specimen lawn plants. **Mail size 15c extra heavy, 25c.**

**DIGITALIS—(Foxglove.)** A handsome and highly ornamental, hardy plant, of stately growth, well adapted for planting in shrubberies and other half shady situations. Purplish blooms produced in long terminal racemes. **Mail size 15c, extra heavy, 25c.**

**ELYMUS**—A long, narrow, gray-colored ornamental grass, growing 15 to 20 inches in height. **Mail size 15c, Extra heavy 25c.**

## Giant Golden Coreopsis.

A graceful and profuse blooming plant with strikingly beautiful flowers of a rich golden color, which remain in bloom all the summer. The long thin stems make it particularly valuable for bouquets, while its abundance of bloom and length of season that it flowers makes it almost invaluable for bedding. They commence to blossom in June and continue a perfect mass of golden loveliness until cut down by severe frosts in autumn. We have never seen or grown a more satisfactory plant. **Mail Size 15c, extra heavy, 15c; 4 for 50c.**

HIBISCUS CRIMSON EYE.

GOLDEN GLOW.

**Eulalias.** These beautiful, hardy grasses are deserving of the highest commendation. For the garden they are invaluable, being very showy, ornamental and of easiest cultivation. They are perfectly hardy and grow to a large size in a few years. **Mail size, 15c; large clumps, 50c to $1.00 each.**

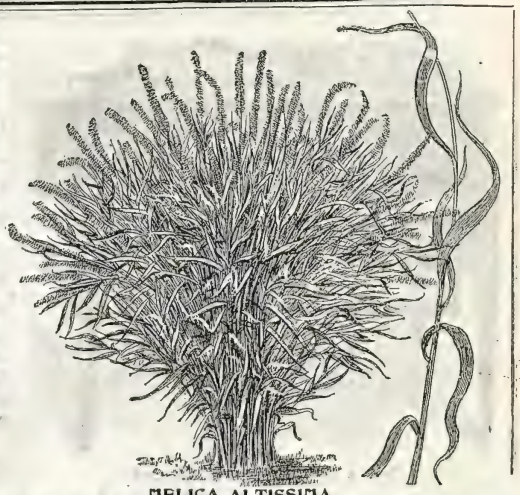
**GRACILLIMA—(Japan Rush)** Of compact habit of growth, with very narrow foliage, of a bright green color, with a silvery midrib.

**JAPONICA**—A strong, vigorous grower, with large, light green leaves, and immense feathery plumes.

**VARIEGATED**—A very graceful variety from Japan. It produces long, narrow leaves, striped green, white and often pink or yellow. It throws up flower stalks from 4 to 6 feet high.

**ZEBRINA**—Unlike most plants of variegated foliage, the striping or marking is across the leaves, instead of longitudinally, the leaves being striped every two or three inches by a band of yellow, one-half inch wide. Late in the fall it is covered with flower spikes that resemble ostrich plumes in shape, which, when cut and dried, make handsome ornaments for the house in winter.

**FESTUCA**—A pretty tufted grass with fine glaucous foliage. **Mail size, 10c each.**


MELICA ALTISSIMA

**GAILLARDIA GRANDIFLORA—(Blanket Flower.)** They commence to flower in June and continue one mass of bloom the entire season. The blossoms are from 2½ to 3½ inches in diameter, are produced on long stems and are excellent for cutting. The center is dark reddish brown, while the petals are variously marked with rings of brilliant scarlet crimson, orange and vermilion. **Mail size, 15c; extra heavy, 25c.**

**Hibiscus.** **Crimson Eye.** (See Cut page 106.) It is a robust grower, with dark red stems and foliage. The flowers are immense in size, often measuring 20 inches in circumference. The color is of the purest white, with a large spot of deep velvety crimson in the center of each flower. A well developed plant will produce several hundred of these flowers in a season. **25c each by express.**

**HOLLYHOCKS**—Few hardy plants combine as many good qualities as these. They require a rich, deep, well-drained soil and will repay in bloom any extra care bestowed upon them. We have them in four shades of color, all double blossoms. Pink, red, white and yellow. **Mail size, 15c; extra strong, 20c.**

**HYPERICUM**—A free flowering hardy plant, blooming continuously throughout the season. The flowers are 2 to 2½ inches in diameter, of rich golden yellow rendered effective by numerous yellow stamens and crimson anthers. **Mail size, 15c; extra heavy, 25c.**

**IRIS GERMANICA—(German Iris.)** A very desirable, early spring flowering plant, producing large blooms of most exquisite colors. They delight in low, wet ground, but do well in any good garden soil. **Mail size, 15c; clumps, 40c.**

IRIS KAEMPFERI.

**JAPANESE KUDZU VINE**—The most wonderful climber of the age. For description see page 3

**Paeonias.** These old time favorites have lost none of their popularity and with the introduction of improved varieties are rapidly gaining in favor. They are perfectly hardy everywhere, require but little care or attention after planting and always yield a rich harvest of superb blooms. Some of the newer varieties rival or surpass the Rose in size. **Prices, named varieties, 50c each, $5.00 per doz.**

**Agida**—Rich, glowing dark red. **Baron Rothschild**—Bright rose pink.
**Buyckii**—Flesh, pink with salmon centre. A very large, full well built flower.
**Delachei**—Very late flowering, rich deep crimson.
**Duke of Wellington**—Ivory white, with creamy white centre; very large bloom.
**Ethel Brownell**—The largest and most beautiful, pure white we have ever seen. Each bloom looks like a huge bunch of white cotton.
**Festiva Alba**—A fine large pure white.
**Festiva Maxima**—A good large, early, white. Fine for forcing.
**Francis Ortegal**—A large, deep red variety. **Humei**—Large, bright rosy pink.
**Lady Bramwell**—A most delicate pink edged with silvery pink; blossoms extra large, freely produced and highly perfumed.
**Lord Wellington**—Mammoth flowers of a rich, deep crimson shade. Blooms perfectly double and exceedingly fragrant.
**Louis Van Houtte**—Rich, reddish purple. Very distinct and beautiful.
**Officianlis Rubra**—A very early variety. Blossoms crimson, large, double and fragrant.
**Perfection**—Soft pink, with light centre. **Purpurea**—Fine, rich glowing purple.
**Queen Victoria**—A most beautiful, large double white.
**Common Sorts.**—White, red, yellow, purple and scarlet. **25c each, $2.50 per doz.**
**POPPY ORIENTAL**—No flowers can surpass these for brilliancy. The blossoms are very large, and of a deep scarlet hue. **10c each, $1.00 per doz.**
**RUDBECKIA BICOLOR—(Cone Flower.)** Immense orange colored blossoms, 4 to 6 inches in diameter, each one distinguished by a large black eye. **10c each, $1.00 per doz.**

**Rudbeckia, Golden Glow.** Without question the best hardy plant introduced in many years. It is of fine habit and vigorous growth attaining a height of from 6 to 10 feet. The flowers are produced in enormous quantities on long stems and resemble a fine double golden yellow cactus dahlia. As a cut flower for vases it has no equal. It blossoms in late summer when most shrubs and plants are through blooming and presents a most dazzling appearance with its immense wealth of golden flowers. **15c each.**

**Yucca.** **(Adams Needle.)** (See cut page 106.) Among hardy, ornamental foliage and flowering plants this can be classed at the head of the list. Its broad, sword like foliage and tall, branched spikes of large fragrant, drooping, creamy-white flowers during June and July render it a very effective plant for all positions. **25c each.**

**HELIOPSIS—(Orange Sunflower.)** Similar in general habit to the Helianthus or Sunflowers, but commences to bloom earlier in the season, and is of dwarfer habit. Blossoms are a beautiful deep golden yellow, about 2 inches in diameter. **Mail size, 15c; extra heavy, 25c.**

**Melica Altissima.** This is a remarkably fine ornamental grass imported from Germany a few years since and grown by us for three years past. It forms medium sized plants of loose, rounded form, and throws up spikes of handsome fluffy seed heads, which dry up and remain on the stem a long time. Very pretty for decorating and for everlasting bouquets. As a border plant, or for mixed shrubberies or specimen plants on the lawn, nothing can equal this beautiful grass. **Mail size, 15c; extra heavy, 25c.**

**MONARDA DIDYMA—(Oswego Tea.)** A showy plant, growing from 2 to 3 feet high, with aromatic foliage, producing bright, scarlet flowers in spikes during July and August. **Mail size, 15c; extra heavy, 25c.**

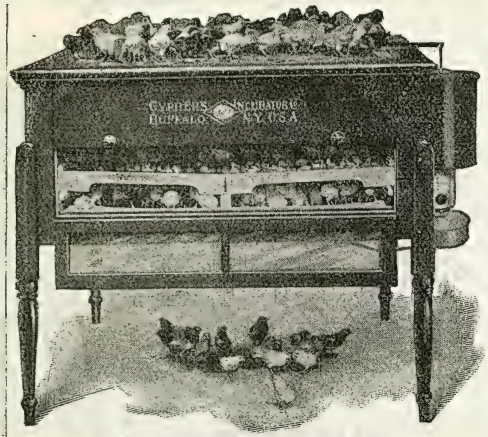
**OENOTHERA—(Evening Primrose.)** A pretty border plant producing single golden yellow flowers from June till August. **15c each.**

**PHLOX**—Among the hardy, perennial plants the Phloxes easily hold first place. They succeed in almost any position and flower from early summer till late fall. They improve from year to year and contain a range of color not found in any other hardy plant. The selection which we offer has been chosen with great care and is sure to please. **Field clumps, 25c and 50c each, by express.**

**Alceste.**—Bright pink, deep red centre.
**Aurora Boreale**—Rosy salmon, with dark crimson eye. Extra large flower and truss. **Bouquet Fleuri**—White, carmine eye.
**Caran Dache**—Rosy carmine. **Epopee**—Violet, bright fiery centre.
**J. H. Slocumb**—Rose pink, with crimson eye.
**Terre Neuve**—Grayish lilac, violet centre.
**Mad Langier**—Bright red, vermillion centre.
**Queen**—Pure snow white. Blossoms from middle of July till end of August.
**R. Wallace**—Pure white, with very bright violet, purple eye.

**Iris Kaempferi.** **(Japanese Iris.)** These are among the most beautiful of our summer flowering plants. They commence blooming the middle of June, and continue in flower for several weeks. Many of the blooms are 10 to 12 inches in diameter and rival the Orchids in their rich markings and colorings. **We offer a choice assortment of 8 best named sorts. Mail size, 25c; clumps, 75c and $1.00 by express.**

PAEONIA LORD WELLINGTON.




NO. 2 CYPHERS INCUBATOR

# Cyphers Non-Moisture Incubators.

**FREE ON BOARD CARS ST. PAUL, MINN., AT FACTORY PRICES**

**THE CELEBRATED, GENUINE, PATENTED, CYPHERS NON-MOISTURE INCUBATOR**—For which we are authorized agents, are guaranteed by the manufacturers as follows:

**First** To require no supplied moisture.

**Second.** To be self-ventilating, the air in the egg chamber always remaining sweet and pure.

**Third.** To be self-regulating, being equipped with the most sensitive, accurate and durable regulator thus far invented.

**Fourth.** To operate with less oil and at less expense than any other make of incubator, and to be as free from offensive odors as an ordinary house lamp.

**Fifth.** To be in all essentials the simplest and easiest to operate and control, requiring less labor and less attention than any other style or make of incubator.

**Sixth.** To produce larger, stronger and healthier chicks or ducklings than any other style or make of incubator.

**Seventh.** That where it is run in competition with an incubator of a different make, it shall, in three or more hatches, bring out a larger average percentage of the fertile eggs in good healthy chicks or ducklings than does its competitor.

**Eighth. That each and every genuine Cyphers Incubator, sold under regisrered trade mark, will do satisfactory work in the hands of the purchaser who will give it a fair trial, or it can be returned to us within 90 days in good repair, less reasonable wear, and the purchase price will be refunded.**

**PRICES OF CYPHERS INCUBATORS.**

| | | | |
|---|---|---|---|
| No. 0, 60-egg | $14.00 | No. 2, 220-egg | $29.00 |
| No. 1, 120-egg | 20.00 | No. 3, 360-egg | 37.00 |

# Cyphers Apartment Brooders.

**FREE ON BOARD CARS ST. PAUL, MINN., AT FACTORY PRICES.**

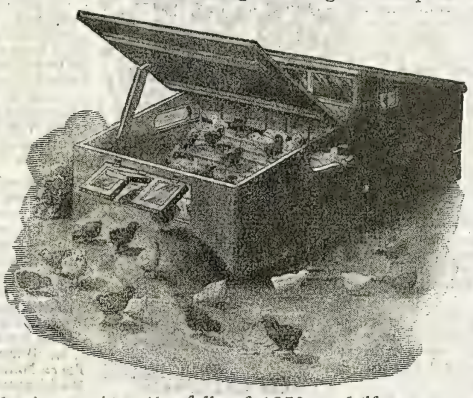
**CYPHERS BROODERS**—Like Cyphers Incubators, are correct in principle, are durably made out of suitable material, are fire-proof and guaranteed to be the best brooders on the market, regardless of price. They are fit companions for the Cyphers Patent-Diaphragm, Non-Moisture, Self-Ventilating, Self-Regulating Incubators, and with reasonable care will take care of the chicks until they are able to shift for themselves. Next to its incubators, the Cyphers Company specially prides itself on its Three Apartment, Style A, Outdoor Brooder, which is pronouced by thousands of users to be the best brooding device ever invented for either outdoor or indoor use. This brooder is 36 by 60 inches in size and has three apartments; one, under the hover, which averages 90 degrees temperature; another, outside the hover, which averages 80 to 85 degrees; and a separate runway or feeding apartment, which averages 70 degrees. This Brooder is roofed with tin, is wind and storm-proof and is heated by a Cyphers Safety Brooder Stove. It will last many years with reasonable care.

Style B, Indoor Brooder, standard size, 36 inches square is for indoor use exclusively. It has two apartments, one warmer than the other, the chicks being at liberty to go from one to the other at will.

Cyphers Sectional Brooders are built in three sizes; two-section, three-section and four-section Each section is suitable for 100 chicks, but this number should be reduced to 75 and later to 60 as the chicks rapidly increase in size.

Like Cyphers Incubators, we sell Cyphers Brooders at factory prices F. O. B. cars at St. Paul, Minn., as follows:

| | |
|---|---|
| Style A, Outdoor Brooder | $12.00 |
| Style B, Indoor Brooder | 10 00 |
| 2-Section, Sectional Brooders | 18.00 |
| 3-Section, Sectional Brooders | 23.00 |
| 4-Section, Sectional Brooders | 28 00 |



**TO THE PUBLIC**—We, as agents for the Cyphers Incubators and Brooders, are autnorized by the manufacturers to stand back of the foregoing claims and guaranty in every particular, and hereby agree to do so under this arrangement. All who purchase of us are insured ample protection.

**A FEW REASONS WHY YOU SHOULD PURCHASE CYPHERS INCUBATORS AND BROODERS FROM US:** We save you freight inasmuch as our prices are F. O. B. St. Paul, Minn. Should you purchase the same goods of the factory the freight in every instance would add greatly to the cost of the goods. We carry samples in stock at all times. You can call and see samples before placing your order. Do your business face to face with us and not rely upon correspondence with dealers whom you do not know hundreds of miles away.

We are thoroughly reliable, having been in business since the fall of 1879, and if we secure your business on Incubators and Brooders also desire to have your business on poultry supplies, which follow the successful use of the Incubator and Brooders we are agents for, and will naturally use every endeavor to make you a satisfied customer. If you are further interested in Incubators and Brooders, send ten cents to pay cost of mailing, 196-page, Main Incubator and Brooder Catalogue, giving full description of the entire line of the Cyphers Company's manufactures. **32 page Illustrated Circular and Price List free.**

## Cyphers Lice Powder.

In offering Cyphers Lice Powder, we present a powder that we believe to be stronger than any other preparation sold for the purpose. It is carefully compounded and contains no chemicals that will injure the fertility of the eggs or the newly hatched chicks. Can be safely used in the nests of sitting hens, for lice on poultry, horses and cattle, ticks on sheep and fleas on dogs. It is an effective remedy and has no equal. A trial package will convince you. **5 oz. pkg. 10c, postpaid 15c; 15 oz. box 25c, postpaid 40c; 48 oz. box 50c, postpaid $1.00; 100 oz. pkg. by express $1.00.**

## Cyphers Lice Paint.

This is a dead sure liquid lice killer for poultry or stock. Kills lice, mites and other insect parasites on fowls, also lice and ticks on sheep, hogs, horses and cattle. The vapor which arises from Cyphers Lice Paint is what does the work. This vapor hovers about the fowl, permeates the plumage and contains an element which, while not obnoxious to human beings or animals, is deadly to lice and other insect vermin. Easy to use, effective; works while fowls sleep. Full directions on every can. **1 qt. can 35c, 2 qt. can 60c; 1 gal. can $1.00 by express.**

## Napcreol.

Unexcelled for disinfecting poultry houses and runs, stables, dog kennels, or any place where a good germ destroyer is needed. Ready for instant use by simply mixing with the required amount of water. 1 gal. makes 100 gal. of disinfectant. **1-2 gal. cans 85c; 1 gal. cans $1.50 by express.**

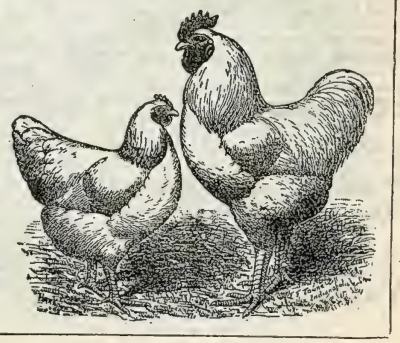
## Cyphers Roup Cure.

Positively guaranteed by the manufacturers to cure Roup in all its forms. It is simply put in the drinking water and the chicken takes its own medicine. **Small pkg. makes 25 gallons of medicine, 50c postpaid; large pkg. makes 75 gallons of medicine, $1 00 postpaid**

## Cyphers Poultry Remedies.

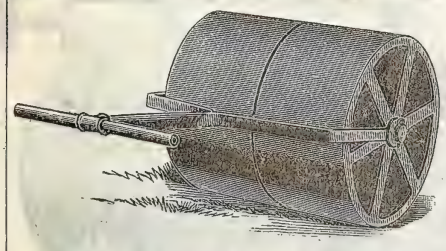
Standard homeopathic remedies for treatment of all common diseases of poultry. These remedies are put up in vials of 100 tablets. Full directions on each vial. **Price of single vial each, postpaid 40c; 10 vials assorted, in cloth covered case, postpaid $3.00 Order by number**

No. 1. For catarrhal colds and rattling in the throat.
No. 2. For sudden colds, prevents and cures Roup.
No. 3 For chicken-pox.
No. 4. For cholera and all diarrhoeas.
No. 5. For diphtheritic Roup and canker.
No. 6 For indigestion and liver diseases.
No. 7. For egg-bound.
No. 8. For rheumatism and cramps.
No. 9. For worms.
No. 10. To prevent soft-shelled eggs and insure fertility.



## White Plymouth Rocks.

In addition to other fancy stock which we are breeding at our farms, we have **the purest strain of these Beautiful Chickens that can be produced.** They are most beautiful fowls, with pure white plumage They are very prolific layers and make excellent mothers, are not prone to wander like some kinds, while their meat is always fine grained, sweet and delicious. Owing to their large size and their great laying qualities, they are the most profitable kind a farmer can raise. **Eggs can only be sent by express** at purchaser's expense. We will ship only fresh laid eggs, of the genuine stock, packed in the most approved manner. **$1.50 for 13, $2.75 for 30.**



## Pearl Grit for Poultry.

No poultry raiser can afford to be without the celebrated Pearl Grit which has become so popular the last two years. Analysis shows it contains over 95 per cent carbonate of lime. **100 lbs. 76c; 500 lbs. $3.25.**

## Lawn Rollers.

Just the thing for leveling your lawn or boulevard in the spring, for rolling your garden and for many other purposes which will be suggested if you own this valuable implement. Made entirely of iron. **1 section, 26 inch diameter, 18 inches wide, wt. 225 lbs. $13.00. 2 sections, 22 inch diameter, each section 12 inches wide, wt. 295 lbs. $16.00.**

## Hazeltine Weeder.

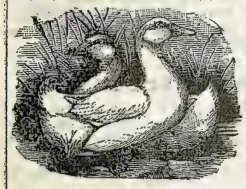
A most useful garden tool. Every person with a garden should have one. Fine for weeding, can also be used for transplanting small plants. Very useful in a number of ways. **30c each, postpaid.**

## B. Weed Extractor.

Easily operated. Just the thing for pulling dandelion, dock, plantain, thistles and other noxious weeds on the lawn. Light, durable and simple. **60c each.**

## White Pekin Ducks.

Unquestionably the best laying ducks known. They are of large size, not inclined to wander, and when fully matured weigh from 6 to 8 pounds each. The feathers are nearly as valuable as goose feathers. Eggs can only be sent by express at purch'er's expense. **$1.50 for 13. $2.75 for 25.**



## White Holland Turkeys.

These are most beautiful fowls with pure white plumage. The flesh is fine grained, very tender and sweet. They are more domesticated than other kinds and are not inclined to stray away from home. The average weight of cocks is 26 lbs., of hens 16 lbs. The prettiest and most profitable kind for a farmer to raise. We offer fresh laid eggs, **6 for $1.50, 13 for $2.50, 25 for $4.50.**

## The Lightning Automatic House Sprayer No. 15.

Everyone owning house plants has some time or other, felt the need of such a sprayer. It holds two quarts of liquid, is operated by simply squeezing the bulb, when a fine, misty spray is thrown in any desired direction. The operator can spray up or down, as well as on the under side of plants. The can is made of heavy Japanned tin, the valves in the rubber bulb are made of lead and will not corrode or rust, while the nozzles are made of brass. For sprinkling flowers, clothes, floors and all kinds of plants this sprayer has no equal. **Price $1.00 each by express.**

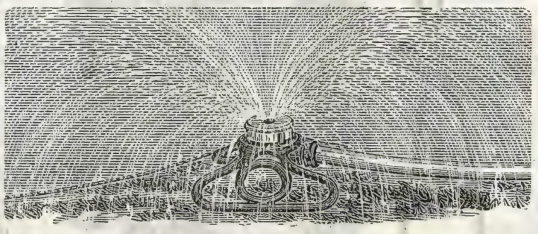
## Lightning Bulb Sprayer No. 16.

This is a larger size of the above holding two gallons. Is made of heavy galvanized iron, and is provided with carrying straps. Will throw a spray from 5 to 20 feet high and is easily operated. **Price $1.75 each.**

## Hawkeye Tree Protectors.

A sure protection against sun-scald, rabbits, mice and other vermin. Made of the very best quality Rock Elm Veneer, 12 inches long, 20 inches wide. They are very durable and will last for many years. They can be tied about the tree with twine or fastened with tinned wire. The latter is preferable as it will not rot or rust. **Per doz. 50c, including wire and nippers. Per 100, $2.00, wire and nippers 15c extra.**

The Hawkeye Tree Protectors



## Elgin Lawn Sprinkler.

The best for the money on the market. Does not get out of fix—does not tip over—can be pulled from place to place by the attached hose when in operation. **50c each, by express.**

## Crushed Oyster Shells.

Not clam shells, which are some times sent out for oyster shells. These are the best grade, thoroughly dried by Hot Air Process, all dust and dirt removed leaving the shells clean and white. Every poultry house or yard should have a pan or box of crushed shells that the fowls can have access to at all times. **25 lb. bag 25c; 50 lb. bag 45c; 100 lb. bag 75c.**

## American Plant and Tree Tubs.

These tubs are made of 7-8-inch cypress, which insures their keeping for years without rotting. They are made with iron handles, iron feet and two coats of green paint, making them one of the cheapest and neatest tubs on the market.

No. 1—13½-in. diam., 11-in. high. Each, $0.80; 4 for $2.80.
No. 2—14-in. diam., 13-in. high. Each, $1.10; 4 for $3.80.
No. 3—16-in. diam., 15-in. high. Each, $1.35; 4 for $4.80.
No. 4—20-in. diam., 18-in. high. Each, $2.00; 4 for $7.00.
No. 5—24-in. diam., 20-in. high. Each, $2.50; 4 for $9.40.

## Thoroughbred Berkshire Pigs.

We have **as pure a type of pigs from pedigree stock** as can be found in the Northwest. Our pens are headed by the celebrated boar "Stumpy Combination" VII 63095, sired by "Combination" 56028. Dam "Stumpy Girl" LXIII 56198. Born Sept. 17, 1901. Recorded in volume 20 of the American Berkshire record.

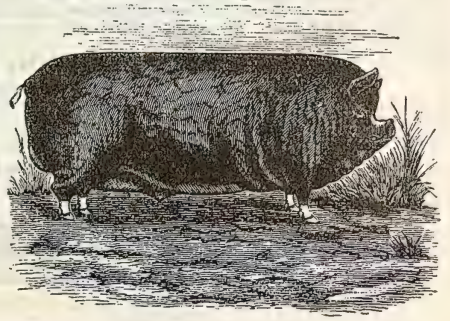
We have never gone to the trouble and expense of registering the young pigs though they are as pure a type as can be found in the Northwest and for all practical purposes just as good as registered stock and are offered at one-fourth the price.

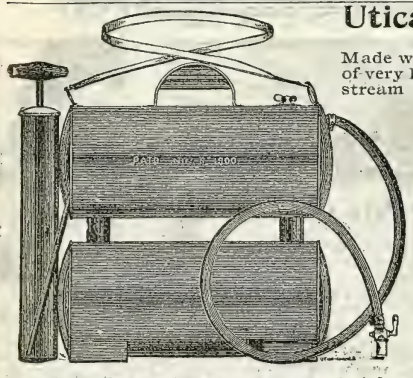
They are unusually hardy, of high vital powers, easily fattened, prolific breeders and less liable to disease than other breeds.

Their flesh is of the highest quality. The prettiest and most profitable kind known.

**Crating.**—We box these in strong, light, comfortable crates, put feed and water in box and deliver free on board cars. Customers must pay transportation charges. **All orders will be filled in rotation as received.**

**Price.**—Single pig 2 to 3 months old, $15.00. Pair, boar and sow, not akin, $25.00. Three, 1 boar and 2 sows, not akin, $35.00.





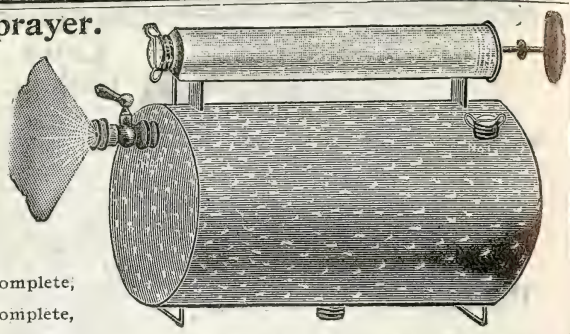
## Utica High Pressure Sprayer.

(See cut to left.)

Made with double cylinders and capable of very high pressure. Will throw a fine stream over the average fruit tree. Weighs but seven pounds, holds four gallons and is convenient to carry. Adapted to a great variety of work. Throws a straight stream or a fine or coarse spray as wanted. Complete with 30 inches of hose, Patent hose band, Utica special stop cock, nozzle and shoulder strap.

**Prices.**

Galvanized Iron, No. 40, each complete, $5.50.
20-oz. Copper, No. 20, each complete, $7.50.
Extra hose, per foot, - - - 12c.
Coupling for extra hose, each - 20c.



## Compressed Air Sprayer No. 30.

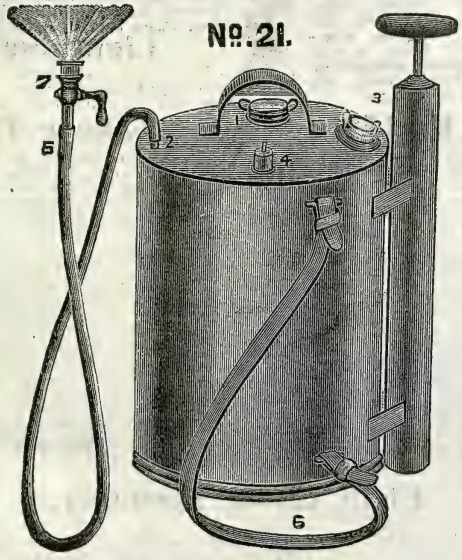
(See cut above.)

Holds two gallons, is provided with two nozzles, one for fine spraying and one for tree spraying. Has special stop cock and nozzle making it impossible to clog. Made of heavy galvanized iron, rust proof, light, handy and durable. **Price, $1.75 each.**

## Lightning Compressed Air Sprayer.

(Cut No. 21.)

It is made of galvanized iron and holds nearly 4 gallons of liquid. It is provided with a safety valve, which prevents over-pressure, so that when the air is forced in, the safety valve will blow off after it reaches its proper degree of pressure. It has two nozzles, one for spraying tall trees, and the other for shrubbery. It will spray 10 acres of potatoes in a few hours, as it covers two or three rows at a time. **Price $4.50.**



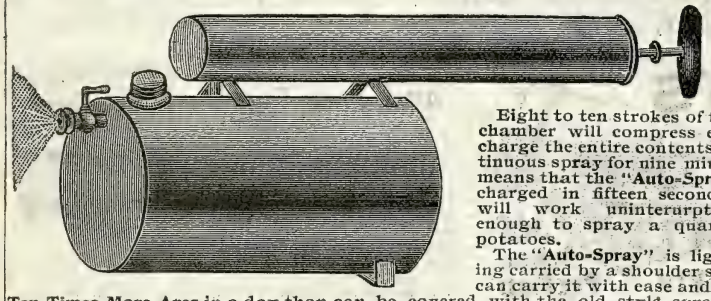

## The Blizzard Sprayer.

(See cut below.)

The handiest and easiest working sprayer made for spraying fruit trees, tobacco, potatoes, poultry houses, whitewash, etc. Holds one gallon of mixture, and after pumping in a few strokes of air works continuously. Will throw a broad spread, mist-like spray. Will also throw direct from the stop cock a coarse Bordeaux spray, ten to twelve feet high, and a straight stream much higher. Strongly made of galvanized iron, that will resist any pressure that can be brought upon it. Is equipped with the Utica stop cock and nozzle, which is made of heavy brass and so constructed that a varied spray may be had by a slight steady turn of the key. **Price $1.75 each.**

## Hammond's Slug-shot.

A combination of the most potent insecticides and most soluble plant food. Guaranteed to destroy potato bugs and those on tomato and egg plants, currant worms, cabbage lice and worms, fleas, beetles and striped bugs on melons, turnips, beets, onions, etc., canker worms and caterpillars on fruit and ornamental trees. **Price, 5 lb. packages, 30c; 10 lbs. 55c; 50 lbs. $2.50. By barrel in bulk, 4½c per lb.**



## Auto-Spray.

Eight to ten strokes of the plunger in air chamber will compress enough air to discharge the entire contents and make a continuous spray for nine minutes. This means that the **"Auto-Spray"** can be charged in fifteen seconds, when it will work uninterarptedly long enough to spray a quarter-acre of potatoes.

The **"Auto-Spray"** is light and being carried by a shoulder strap, a boy can carry it with ease and **Can Cover Ten Times More Area** in a day than can be covered with the old style sprayers which require the operator to be constantly pumping in order to do the spraying. The **"Auto-Spray"** does the work as fast as a man can walk. By means of the new Auto-pop, a great saving of material is effected, for by simply closing the hand the valve is opened allowing an instantaneous discharge of spray. By releasing the lever it closes itself automatically For potatoes, tobacco and all other crops planted in hills a great saving is effected by the Auto-pop attachment. Descriptive circular sent on application. **Price, Auto-Spray made with galvanized iron reservoir, $4.50, with Auto-pop, $5.50 Price, Auto-Spray with solid copper reservoir, $6.00; with Auto-pop, $7.00 Extension Pipes for spraying tall trees, galvanized steel, solid brass connections, in lengths of two feet, per length, 30 cents. Solid brass, in lengths of two feet, 35 cents**

## A Few Good Insecticides.

These are unmailable, and have to be sent by express. They are put up in tight cans and boxes. Full directions for use on each package.

**POWDERED HELLEBORE.—¼ lb. 10c, ½ lb. 18c, 1 lb. 30c.**

**WHALE OIL SOAP.—½ lb. 10c, lb. 15c, 5 lbs 60c.**

**SPANISH PINK.—½ lb. 15c, 1 lb. 25c.**

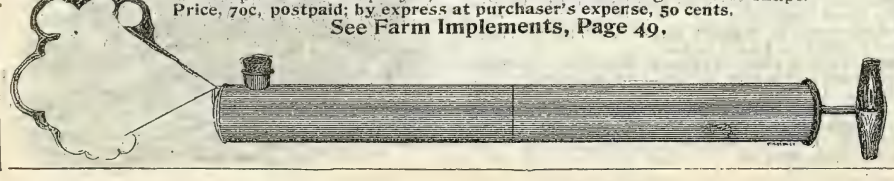
**BORDEAUX MIXTURE.—1 lb. 15c, 5 lbs. 70c, 50 lbs. $6.00.**

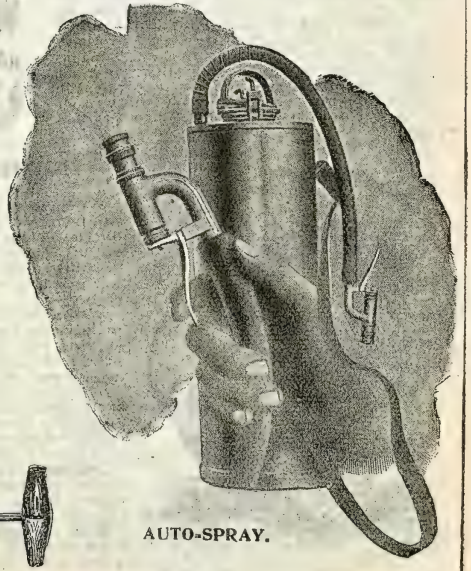
## The Cannon Sprayer.

(See cut below.)

The simplest, lightest, strongest and handsomest atomizer sprayer made. Its tubes are adjusted to throw a large body of fine spray and the plunger leather is re-inforced with a patent valve sprayer, and does not wrinkle or get out of shape. Price, 70c, postpaid; by express at purchaser's expense, 50 cents.

See Farm Implements, Page 49.





AUTO-SPRAY.

# PLANET JR. FARM AND GARDEN TOOLS.

**Space will not permit our showiug all of the "Planet Jr. Tools," but we will send a fully illustrated Catalogue free to intending purchasers. "Planet Jr." goods are standard machines--the best.**

## "Planet Jr." No. 1.

**Combined Drill, Seeder and Wheel Hoe, Cultivator and Plow.**

**Price, $9.50.**

**As a Drill only, $7.50.**

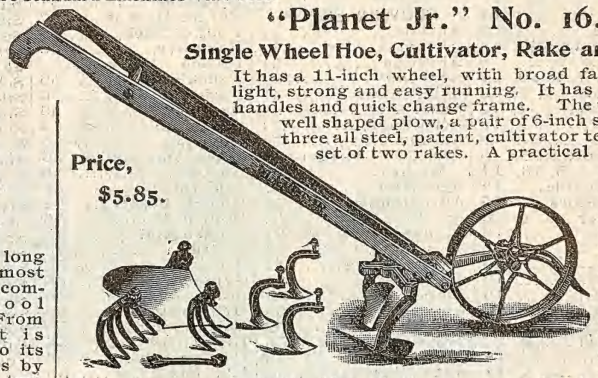
This has long been the most popular combined tool made. From a drill it is changed to its other uses by removing two bolts, when hoes, etc , can be quickly attached. It is an excellent seed sower, a first-class double or single wheel hoe, an excellent furrower, an admirable wheel cultivator, and a rapid and efficient garden plow.

A pair of 6 tooth rakes supplied when especially ordered. Price, 50c.

## "Planet Jr." No. 16.

**Single Wheel Hoe, Cultivator, Rake and Plow.**

**Price, $5.85.**

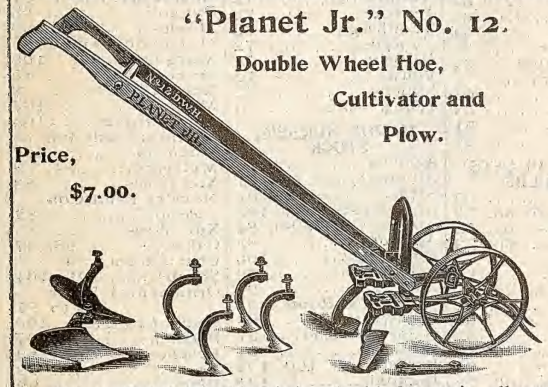


It has a 11-inch wheel, with broad face; is very light, strong and easy running. It has adjustable handles and quick change frame. The tools are a well shaped plow, a pair of 6-inch shield hoes, three all steel, patent, cultivator teeth and a set of two rakes. A practical leaf guard holds up the plants, while thorough work is being done underneath. The frame changes in height, the wheel may be attached to the other side of the frame, when both sides of the row may be hoed at one passage.

## "Planet Jr." No. 12.

**Double Wheel Hoe, Cultivator and Plow.**

**Price, $7.00.**



This perfected wheel hoe is invaluable for use in all small crops. Its variety of work is almost incredible. Changes and adjustments of the tools are made very quickly. It has 11-inch wheels, which can be set at four different distances apart; the frame is malleable, with ample room for tool adjustment, and can be set three different heights. The handles are adjustable at any height, and, being attached to the arch, are undisturbed in making changes of adjustment in frame, wheels or tools. The arch is of stiff steel, unusually high; the quick change frame permits tools to be changed without removing the nuts. Four pairs of tools, as shown in the cut, go with the complete wheel hoe. All the blades are of tempered and polished steel.

**No. 11.**—Double wheel hoe, cultivator, rake and plow. This machine is the same as No. 12 with 2 extra hoes and 4 rakes, $9 00.

**No 13.**—Single wheel hoe, with 6-inch hoes only, $4 75.

**No. 17.**—With 1 pair of 6-inch hoes, 3 cultivator teeth, and a large garden plow, $5.00.

**No. 18**—Single wheel hoe with 6-inch hoes only, $3 50.

## Farmers No. 19.

**Single Wheel Hoe and Plow, Price, $3.75.**

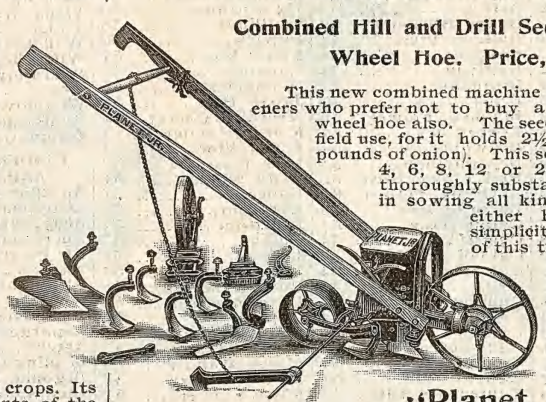
This new and attractive implement is especially designed for the farmers' garden work, though it offers to everyone with either field or garden a cheap and effective tool for all hand wheel hoe operations. The wheel is high, and made with stiff steel rim and spokes; the wheel arms are steel. The handles are adjustable, may be changed to fit man or boy. It is strong, well made, and can be quickly set so as to be useful, whether in the hands of man, woman, boy or girl.

The tools are as follows: One large garden plow, hard polished steel; 1-10 in. sweep; a perfect weed killer. 1-6-in. sweep, same pattern as 10-in 1-4-in. cultivator tooth, for deep cultivation. 1-2-in. cultivator tooth, for deeper work.

The standard will carry all steels made for machine. **All blades are steel hardened in oil and polished.**

## "Planet Jr." No. 25.

**Combined Hill and Drill Seeder and Double Wheel Hoe. Price, $13.50.**



This new combined machine is intended for gardeners who prefer not to buy a separate seeder and wheel hoe also. The seeder is large enough for field use, for it holds 2½ quarts, (or about 5 pounds of onion). This seeder will sow in hills 4, 6, 8, 12 or 24 inches apart. It is thoroughly substantial, and is accurate in sowing all kinds of garden seed in either hills or drills. The simplicity and perfect working of this tool, both as a seeder and as a wheel hoe make the combination thoroughly practical. The change from drill to wheel hoe takes but a moment, and the entire combination is one we heartily recommend

## "Planet Jr." No. 4.

**Combined Hill and Drill Seeder, Wheel Hoe, Cultivator, Rake and Plow.**

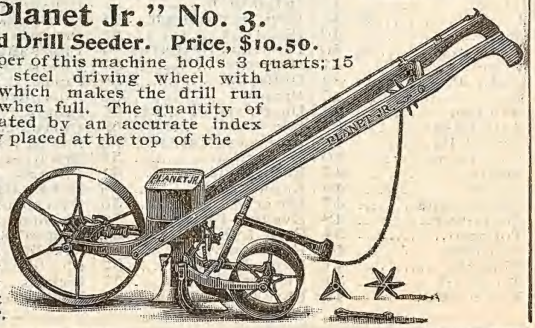
**Price Complete, $10.50. As a Drill only, $8.50.**

This combined drill has been brought to a point of such wide usefulness and perefction at work that we can hardly recommend it too highly. **What the drill will do.** It will sow a continuous row, or drop in hills 4, 6, 12 or 24 inches apart. **The hill dropping attachment is substantial, positive and exact.** It is changed in a moment from hill dropping to drill work and back again. Thrown out of gear by raising the handles.

**The opening plow.** This is adjustable for all reasonable depths and leaves the seed in a straight, very narrow line, so that the cultivation with the wheel hoe may be done in the closest manner

## "Planet Jr." No. 3.

**Hill and Drill Seeder. Price, $10.50.**



The hopper of this machine holds 3 quarts; 15 inch patent steel driving wheel with broad face, which makes the drill run easily even when full. The quantity of seed is regulated by an accurate index conveniently placed at the top of the handle, and carefully graduated for hill dropping or drilling. The flow of seed is started or stopped by a movement of the forefinger.

# INDEX.


## VEGETABLE SEEDS.

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